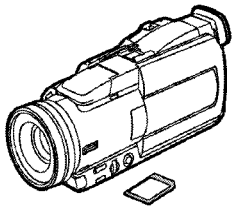
ORDER NO.VMD0109018C8

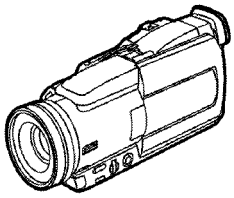
Service Manual

Digital Video Camera/Recorder

Panasonic Mini DV PAL MultiMediaCard™ SD™



NV-MX8



NV-MX2

NV-MX8EG
NV-MX8EGM
NV-MX8B
NV-MX8EN
NV-MX8A
NV-MX2EG
NV-MX2EGM
NV-MX2B

VOL.1

Q3-MECHANISM

SPECIFICATIONS

ITEM	SPECIFICATION
POWER	Source: Battery Pack; 7.2 V DC AC Adaptor; 7.9 V DC Consumption: During Camera Recording Using The LCD Monitor ; 4.7 W During Camera Recording Using The Viewfinder; 3.9 W
RECORDING FORMAT	Digital Video SD Format
TAPE FORMAT	Mini DV Cassette Tape (Tape width 6.35 mm)
TAPE SPEED	SP mode : 18.812 mm/s LP mode : 12.555 mm/s Record/Playback Time: SP mode ; 80 min. with DVM80 LP mode ; 120 min. with DVM80
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)
	STANDARD ILLUMINATION: 1,400 lx
	MINIMUM REQUIRED ILLUMINATION: 1 lx (Digital Gain-up Mode)
	LENS: 10 : 1 Power Zoom, Auto Iris, F1.8, Macro (Full Range AF) Focal Length; 3.85-38.5 mm Filter Diameter; 43.0 mm
	IMAGE SENSOR: 1/3.8-inch CCD Image Sensor
	VIEWFINDER: Colour Electronic Viewfinder 2.5-inch Colour LCD Monitor (NV-MX2) 3.0-inch Colour LCD Monitor (NV-MX8)
VIDEO	RECORDING FORMAT: Digital Component
	TELEVISION SYSTEM: CCIR; 625 Lines, 50 Fields PAL Colour Signal
	VIDEO OUTPUT LEVEL: 1.0 Vp-p, 75Ω S-VIDEO OUTPUT LEVEL: Y; 1.0 Vp-p, 75Ω C; 0.286 Vp-p, 75Ω VIDEO INPUT LEVEL: 1.0 Vp-p, 75Ω S-VIDEO INPUT LEVEL: Y; 1.0 Vp-p, 75Ω (NV-MX8) C; 0.286 Vp-p, 75Ω (NV-MX8)
Card Memory Functions (NV-MX8)	Recording Media: MultimediaCard, SD Memory Card Image Compression: JPEG

ITEM	SPECIFICATION
AUDIO	RECORDING FORMAT: PCM Digital Recording; 16 bit (48 kHz/2 ch) 12 bit (32 kHz/4 ch)
	MIC IN LEVEL: -50 dBV (0 dB = 1 V/Pa, 1 kHz) (Stereo mini jack) INPUT LEVEL (LINE): 316 mV, 10 kΩ or more OUTPUT LEVEL (LINE): 316 mV, 600Ω OUTPUT LEVEL (HEADPHONE): 77 mV, 100Ω
DIGITAL STILL PICTURE	Digital Still Picture Output, Control Signal Input / Output (Transfer rate: max. 115 kbps)
DIGITAL INTERFACE	DV Output Terminal (i. LINK, 4 pin); NV-MX2 DV Input/Output Terminal (i.LINK, 4 pin); NV-MX8
MICROPHONE	Stereo
SPEAKER	1 round speaker ϕ20 mm
OPERATING TEMPERATURE	0-40 °C
OPERATING HUMIDITY	10-80 %
WEIGHT	Approx. 610 g(without Battery Pack and DV Cassette): NV-MX2 Approx. 640 g(without Battery Pack and DV Cassette): NV-MX8
DIMENSIONS	Approx. 76 (W) x 87 (H) x 199 (D) mm
STANDARD ACCESSORIES	1 pc. AC Adaptor 1 pc. Battery Pack Unit 1 pc. Shoulder Strap 1 pc. DC Input Cable 1 pc. AC Mains Cable 1 pc. AV Cable 1 pc. Remote Controller 1 pc. Bottom-type Battery 1 pc. Head Cleaner 1 pc. Hood Cap Unit 1 pc. Driver Soft 1 pc. Hood Strap 1 pc. USB Connection Cable; NV-MX8 1 pc. SD CARD; NV-MX8 1 pc. Interface Cable; NV-MX2

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 INTRODUCTION

1.1. INTRODUCTION

This service manual contains technical information which will allow service personnel´s to understand and service this model.Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplement service manual to be filed with original service manual.

Note 1:

These movie cameras use AC Adaptor is VSK0581-A.

This AC Adaptor is supplied as only unit.

(See Parts list of this Service Manual.)

Note 2:

This service manual does not contain the following information, because of the impossibility of sevicing at component level.

1. Schematic Diagram, Block Diagram and C.B.A. layout of Main C.B.A./ Camera C.B.A.
2. Parts List for individual parts of Main C.B.A./ Camera C.B.A.
3. Exploded View and Parts List for individual parts of Mechanism Unit.

When a part replacement is required for repairing each Main C.B.A. and/ or Mechanism block, replace the assembly parts. (Main C.B.A., Camera C.B.A. and/ or Mechanism Unit)

The following circuits are contained in Main C.B.A.

1. Main Connection Circuit
2. Drive Circuit
3. Video 1 Circuit
4. Video 2 Circuit
5. Control Circuit
6. SD Audio Circuit
7. Ex Input Circuit
8. LCD Circuit
9. Head/ Rec Amp Circuit
10. Power Circuit
11. DSC Circuit

The following circuits are contained in Camera C.B.A.

1. Sub Connection Circuit
2. Lens Drive Circuit
3. Camera Circuit

1.2. FEATURE COMPARISON CHART

FUNCTION	MX2			MX8				
	EG	EGM	B	EG	EGM	B	EN	A
Card Function (Multi Media Card, SD card)	---	---	---	1	1	1	1	1
External DV/VIDEO Input	---	---	---	1	1	1	1	1

2 CAUTION FOR AC CORD (VJA0940 TYPE)

2.1. INFORMATION FOR YOUR SAFETY

IMPORTANT

Your attention is drawn to the fact that recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

To reduce the risk of fire or shock hazard, do not expose this equipment to rain or moisture.

CAUTION

To reduce the risk of fire or shock hazard and annoying interference, use the recommended accessories only.

FOR YOUR SAFETY

DO NOT REMOVE THE OUTER COVER

To prevent electric shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

2.2. CAUTION FOR AC MAINS LEAD

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amperes and it is approved by ASTA or BSI to BS1362

Check for the ASRA mark or the BSI mark on the body of the fuse.

ASTA mark	BSI mark

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safety.

There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

2.2.1. Important

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

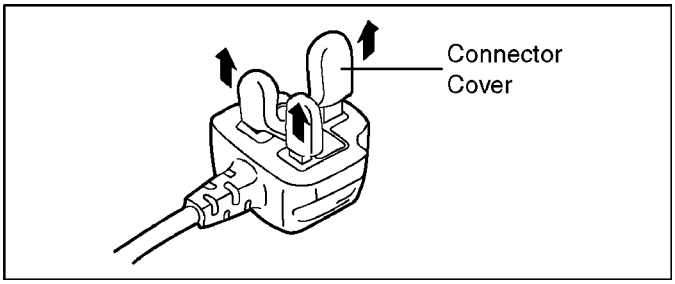
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol.

Earth Symbol	⏚

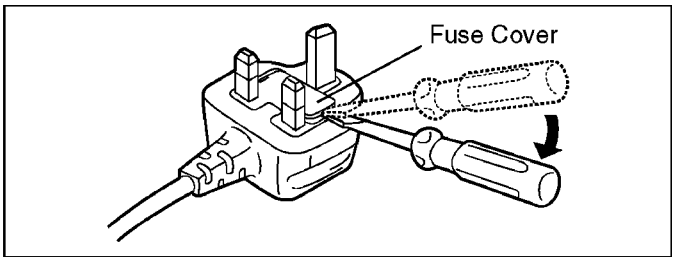
2.2.2. Before use

remove the Connector Cover as follows.

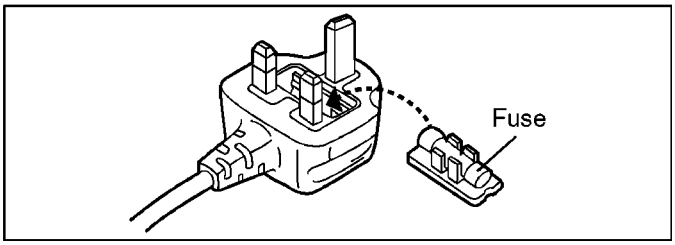


2.2.3. How to replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



2. Replace the fuse and attach the Fuse cover.

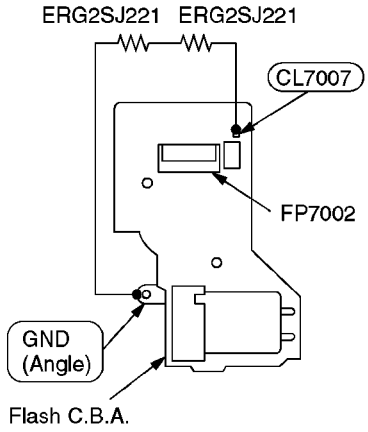


3 SERVICE CAUTION

3.1. HOW TO DISCHARGE THE CAPACITOR ON FLASH C.B.A.

<NV-MX8 ONLY>
CAUTION
Be sure to discharge the capacitor on Flash C.B.A. before disassembling.
CAUTION
Be careful of the high voltage circuit on Flash C.B.A. when servicing.

Method:
1.Prepare the 2 Resistors (ERG2SJ221:220 ohm/2w) for discharge.
Note:
Above 2 Resistors may be substituted with equivalent type.
2.Make short circuit using 2 Resistors between CL7007 and GND for 3 seconds as follows.
3.After discharging, confirm that the capacitor voltage is sufficiently lowered using a voltmeter



3.2. EEPROM DATA FOR SPARE PARTS OF THE MAIN C.B.A.

When the Main C.B.A. is replaced, the fixed and average data must be changed by Tatsujin kit according to the Movie Camera's suffix.

Then, confirm and/or adjust the VTR and Camera section one by one.

3.3. SERVICE EXTENSION CABLES.

This models is required the following extension cables for all connections.

Note 1:

Use the following extension cables when checking or adjusting individual circuit boards except module Parts.

(Main C.B.A. and Camera C.B.A.)

Ref.	Part No.	Pin	Part Name	Connection	Q´ty	Remarks
(1)	VFK1364	14	Flat Cable	FP1002 (Main) - Battery Catcher	1	as NV-DS5
(2)	VFK1442	21	Flat Cable	FP603 (Main) - FP801(EVF)	1	as NV-DS77
(3)	VFK0977	20	Flat Cable	FP3401 (Main) - SD/SHOE Flex. (NV-MX8 Only)	1	as NV-EX1
(4)	VFK1491	27	Flat Cable	FP601 (Main) - FP903(Monitor)	1	as NV-DS99
(5)	VFK1364	14	Flat Cable	FP2206 (Main) - Side Case (R) Unit (Camera Operation Flex.)	1	as NV-DS5
(6)	VFK1492	26	Flat Cable	FP4002 (Main) - FP451(Gyro)	1	as NV-DS99
(7)	VFK1491	27	Flat Cable	FP4001 (Main) - FP7001(Flash)	1	as NV-DS99
(8)	VFK1364	14	Flat Cable	FP4001 (Main) - FP4901(Mic Unit)	1	as NV-DS5
(9)	VFK1460	20	Flat Cable	PS201 (Camera) - PP291(CCD Flex.)	1	as NV-EX1
(10)	VFK1459	39	Flat Cable	FP701 (Camera) - Lens Unit	1	as NV-EX1
(11)	VFK1442	21	Flat Cable	FP301 (Camera) - Side Case (R) Unit (VTR Operation Flex.)	1	as NV-DS77

How to use extension cables.

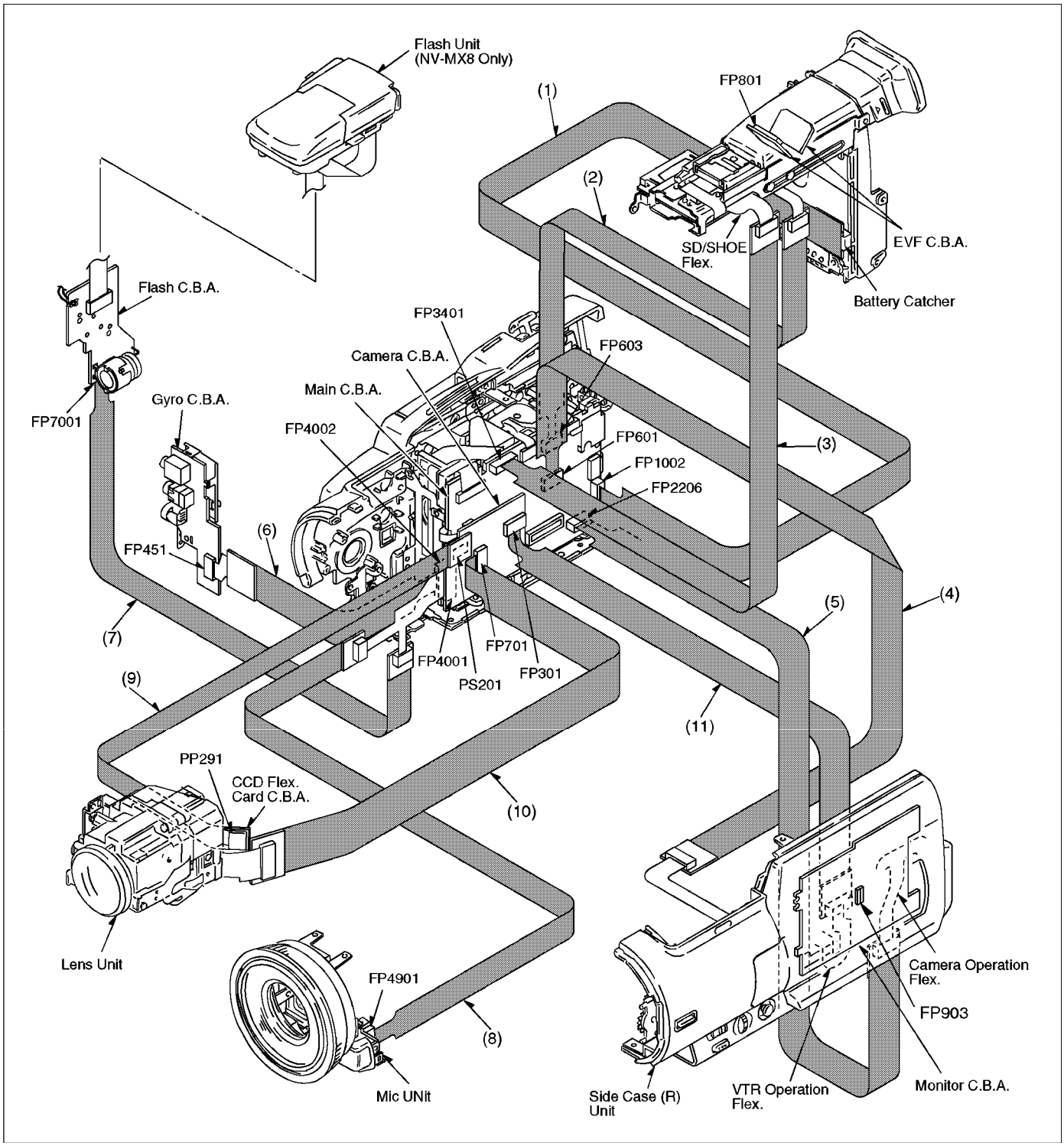
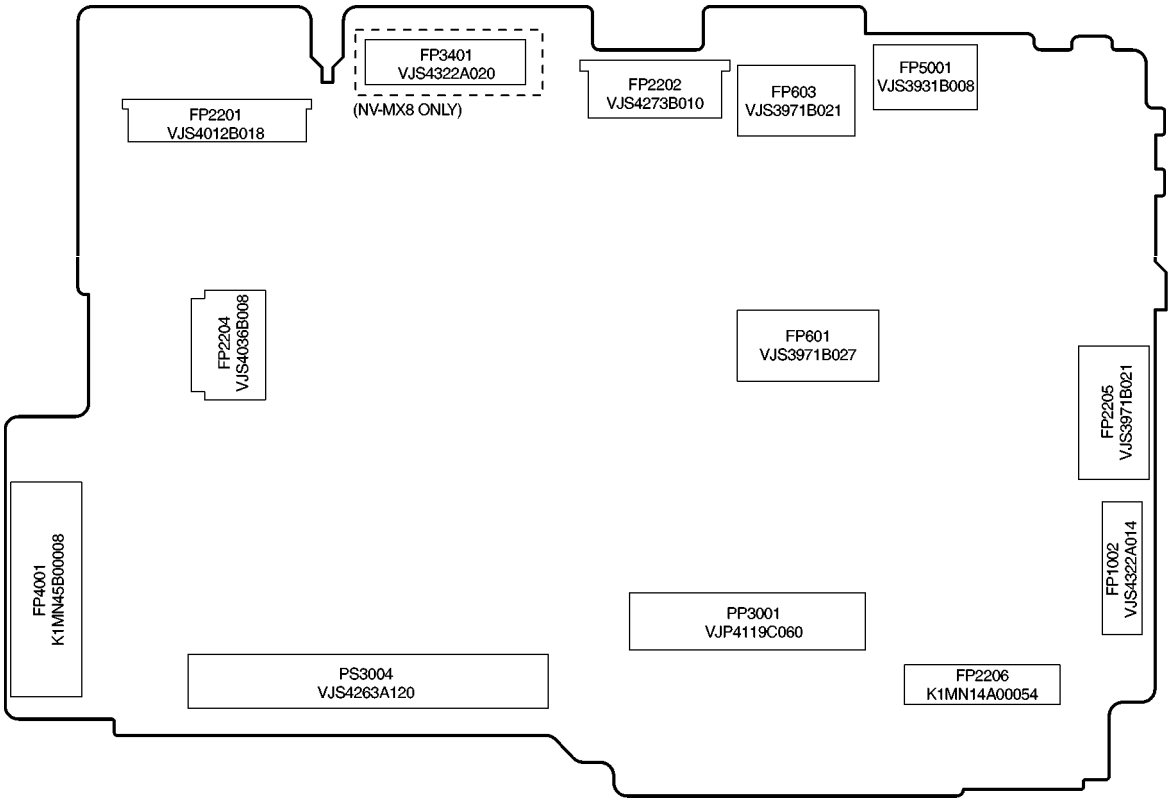


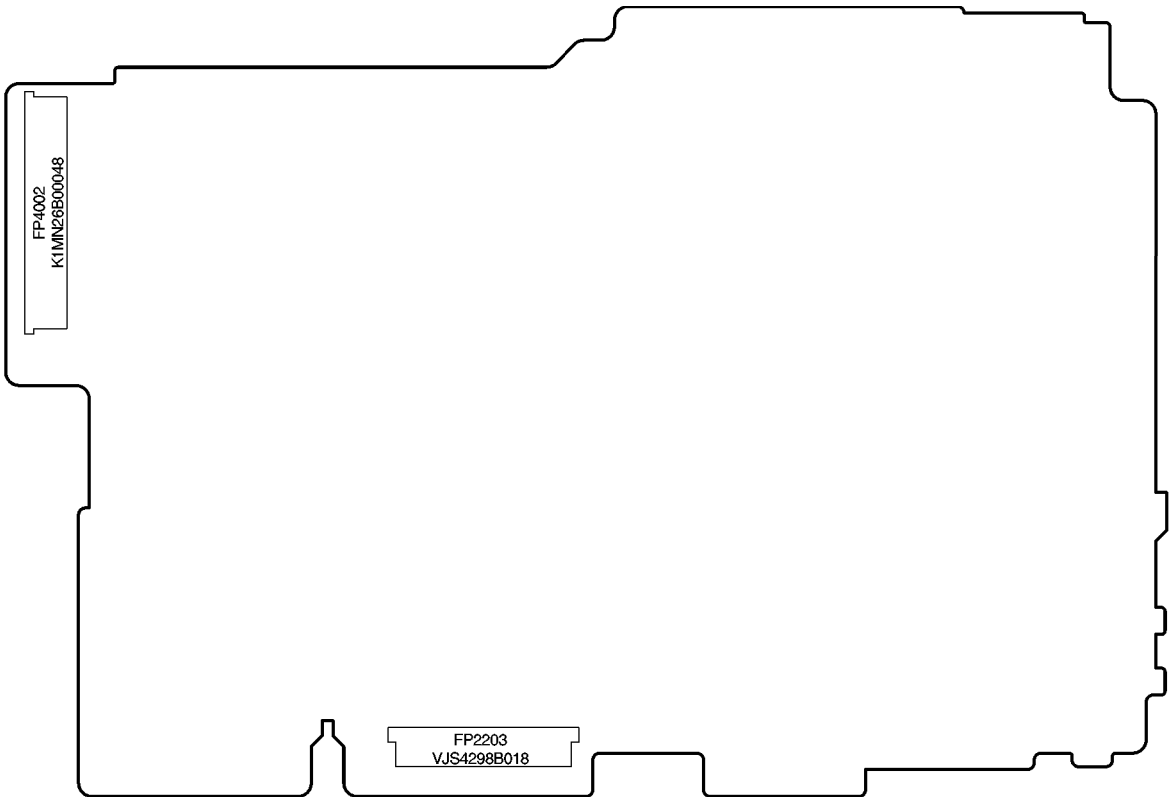
Fig. T1-1

3.4. LOCATION FOR SPARE CONNECTORS OF THE MAIN C.B.A. & CAMERA C.B.A.

3.4.1. MAIN C.B.A.

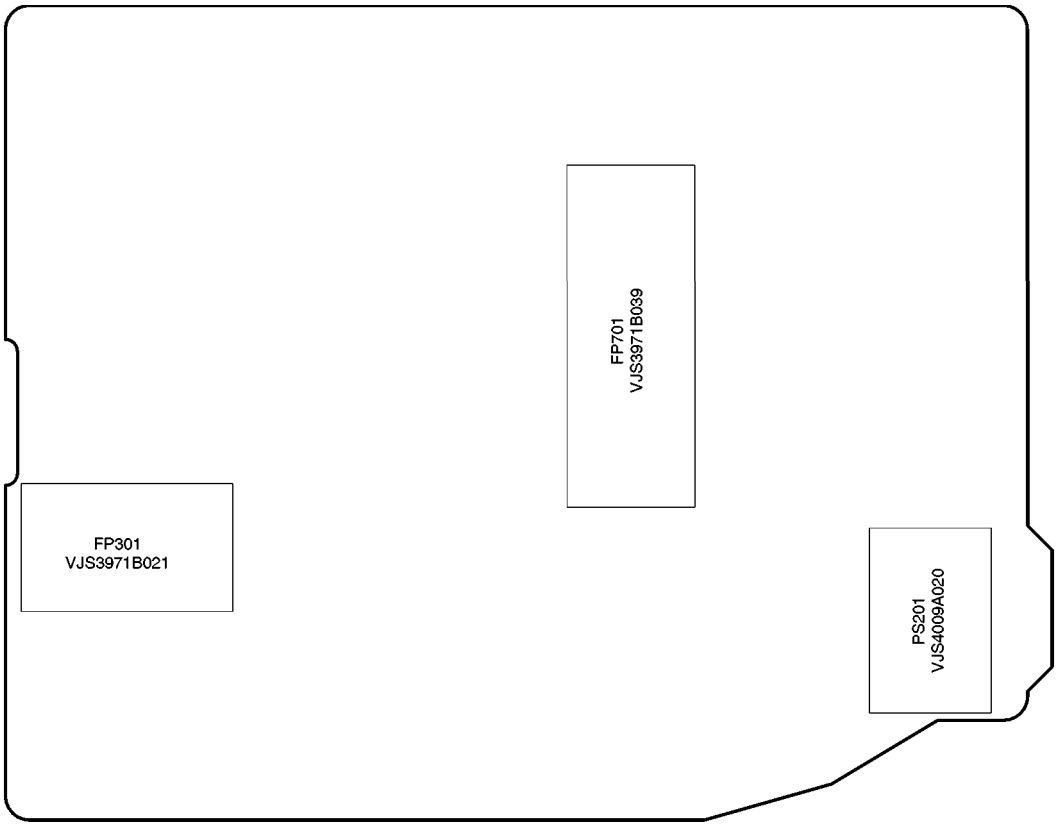


(COMPONENT SIDE)

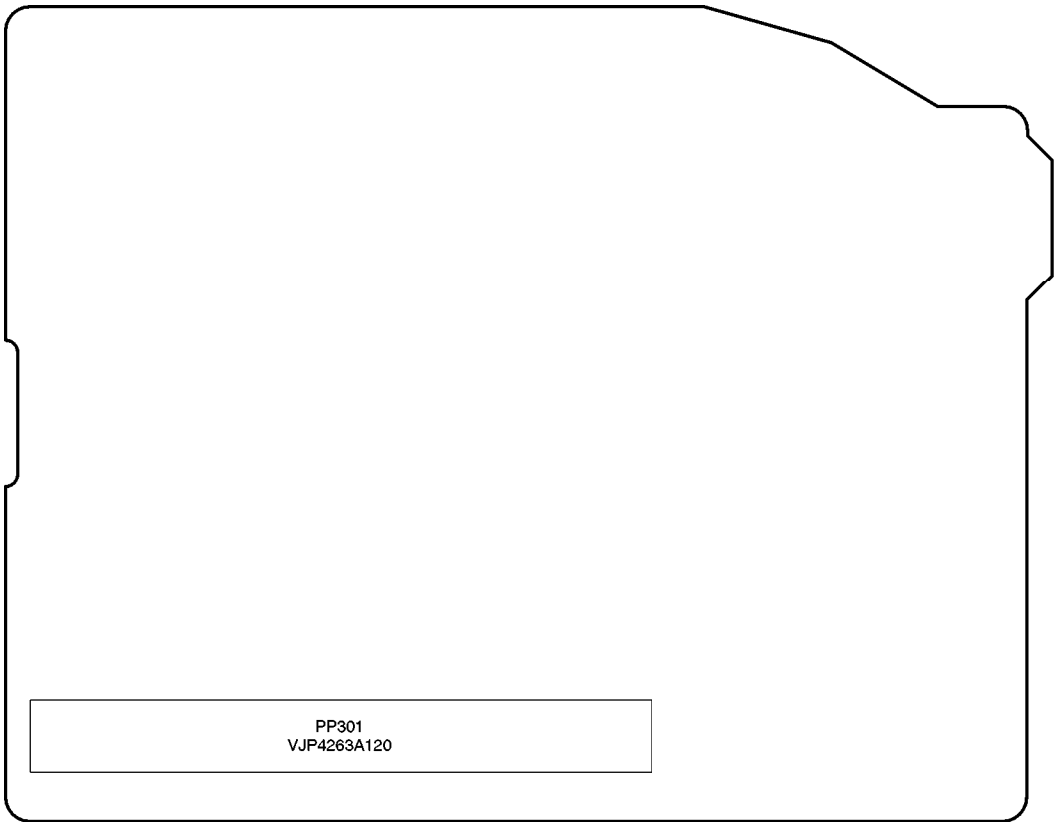


(FOIL SIDE)

3.4.2. CAMERA C.B.A.



(COMPONENT SIDE)



(FOIL SIDE)

4 PREPARATION FOR ELECTRICAL ADJUSTMENT

1. Unlock the locking tab and remove the EVR connector as shown in Fig. E1 .
2. Then connect the following cables as shown in Fig. E2 .

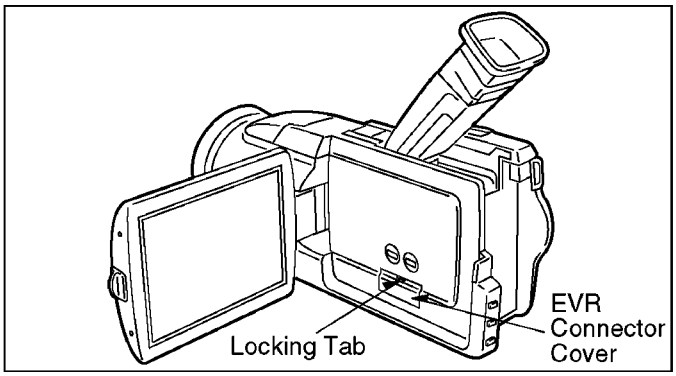


Fig. E1

Part No.	Part Name	Q'ty	Remarks
VFK1395	232C(M3)I/F Cable	1	
VFK1308E	Measuring Board	1	
VFK1309	EVR Connector Board	1	
VFK1317 or VFK1511	30 Pin Flat Cable	2	200mm Type 300mm Type
VJA0941	DC Output Cable	1	For AC Adaptor
VFK1164TAR43	Step up Ring	1	For Collimator
VFK1309EX	Connection Adaptor	1	

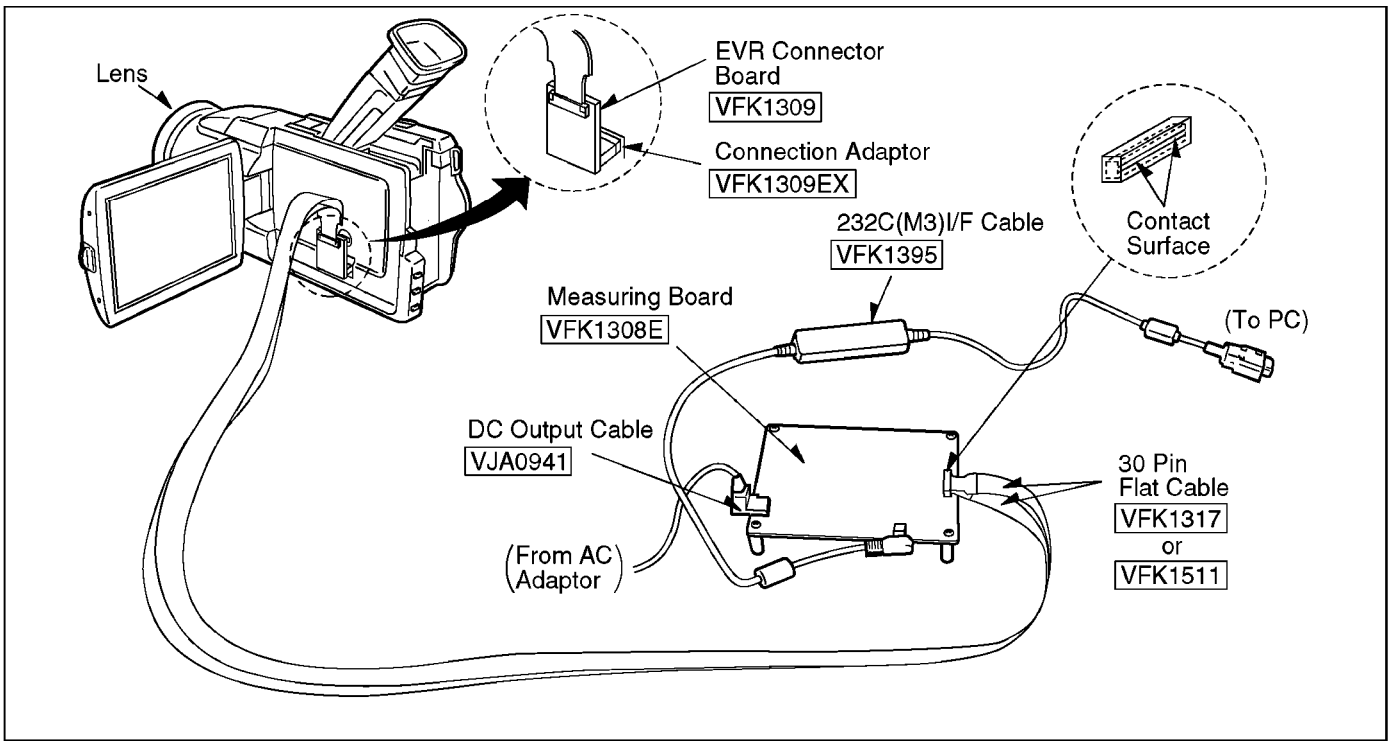


Fig. E2

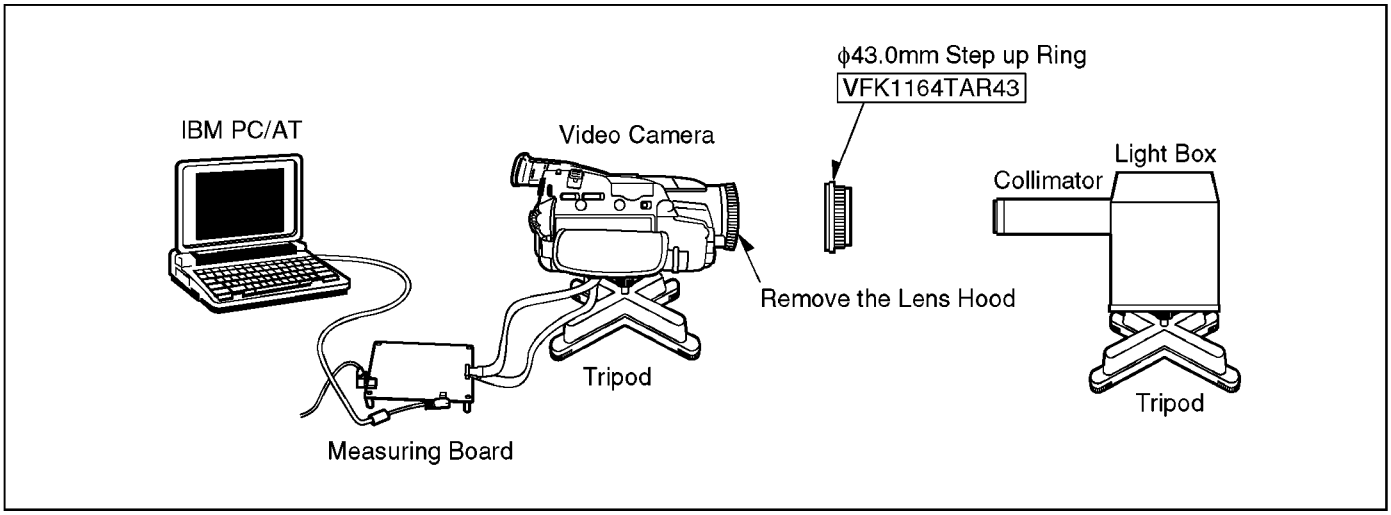


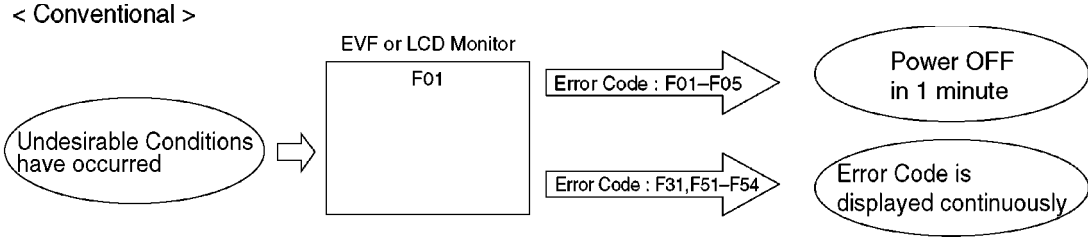
Fig. E3

5 SERVICE MODE

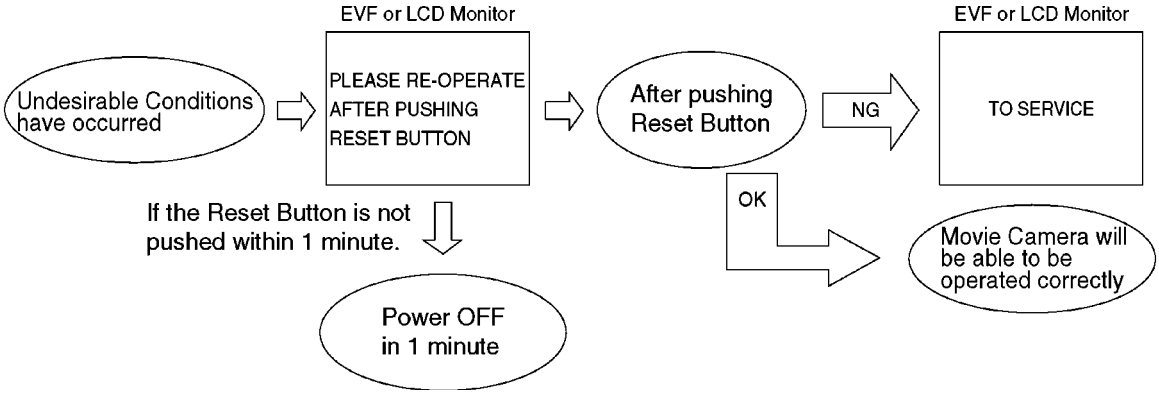
5.1. New Error Code Display

Conventionally, the error code has been displayed automatically on the EVF or LCD Monitor when undesirable conditions have occurred. With the New Error Code Display, the error code has not been displayed automatically as follows except some error codesF31(Data Transmission Error), U10(Dew) and U11(Head Clogging).

< Conventional >



< New >


EVF or LCD Monitor
PLEASE RE-OPERATE AFTER PUSHING RESET BUTTON
Undesirable Conditions have occurred
After pushing Reset Button
NG
EVF or LCD Monitor
TO SERVICE
OK
Movie Camera will be able to be operated correctly
If the Reset Button is not pushed within 1 minute.
Power OFF in 1 minute

Note:

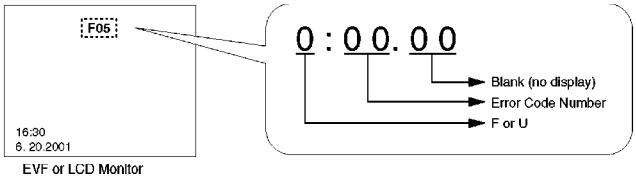
1. The only some error codes F31, U10 and U11 has displayed automatically on the EVF or LCD monitor as usual.
2. The Power LED also has been flashed for 1 min. when undesirable condetions have occurred.(See below)

5.2. Viewing Error Code

When displaying the Error Code on the EVF or LCD Monitor, push the FADE/STOP and REC START/PAUSE buttons simultaneously for more 3 seconds.

Note:

When the cassette tape is inserted, this operation will not be worked.



DISPLAY	CONDITION	POWER OFF TIMING / POWER LED FLASHING TIMING
F01	T-Reel Lock	After 1 minute flashing the LED
F02	S-Reel Lock	After 1 minute flashing the LED
F03	Unloading Lock	After 1 minute flashing the LED
F04	Loading Lock	After 1 minute flashing the LED
F05	Cylinder Lock	After 1 minute flashing the LED
F31	Data Transmission Error	Not turning OFF
F51	Zoom Motor Lock	Not turnig OFF Power LED is flashed at 1 Hz timing
F52	Focus Motor Lock	Not turnig OFF Power LED is flashed at 1 Hz timing
F53	OIS Lock (Sensor)	Not turnig OFF
F54	OIS Lock (Motor)	Not turnig OFF
U10	Dew Detection	After 18 seconds flashing the LED Power LED is flashed at 1 Hz timing
U11	Head Clogging	Not turning OFF

6 HOW TO REPLACE THE LITHIUM BATTERY (PROCEDURE)

1. Remove the Side Case (R) Unit. (Refer to Disassembly Procedures.)
2. Unsolder the Lithium Battery "VSB0407" and then replace the new one. (See Fig. B1 .)

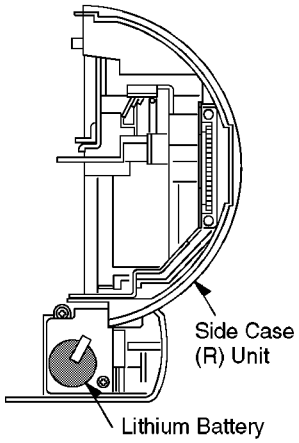


Fig. B1

Note:

The lithium battery is a critical component. (Type No.: VSB0407 Manufactured by Panasonic.)
It must never be subjected to excessive heat or discharge.
It must therefore only be fitted in equipment designed specifically for its use.
Replacement batteries must be of the same type and manufacture.
They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.
Do not attempt to re-charge the old battery or re-use it for any other purpose.
It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

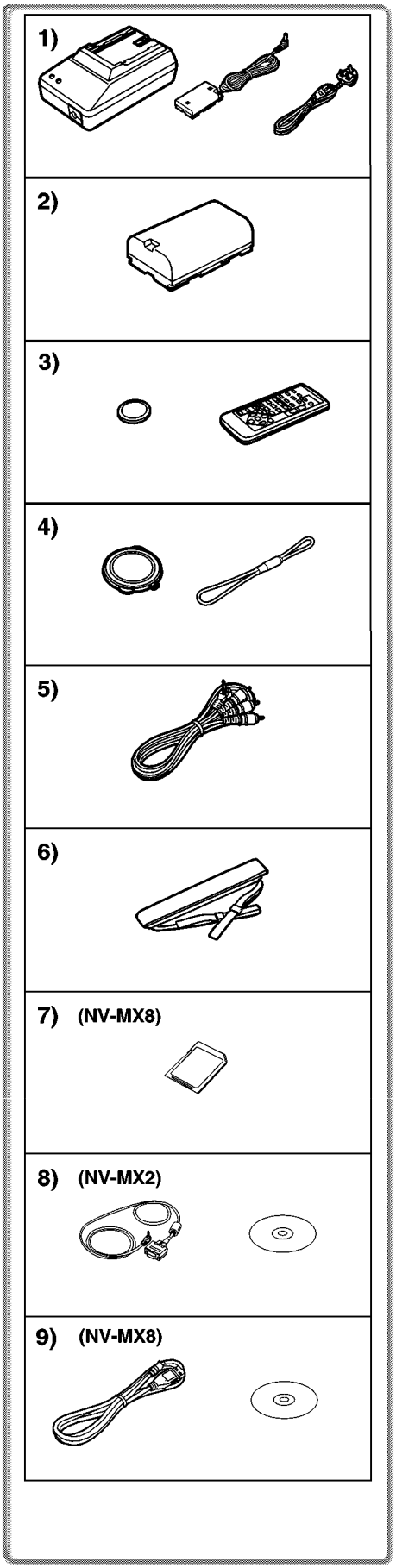
ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

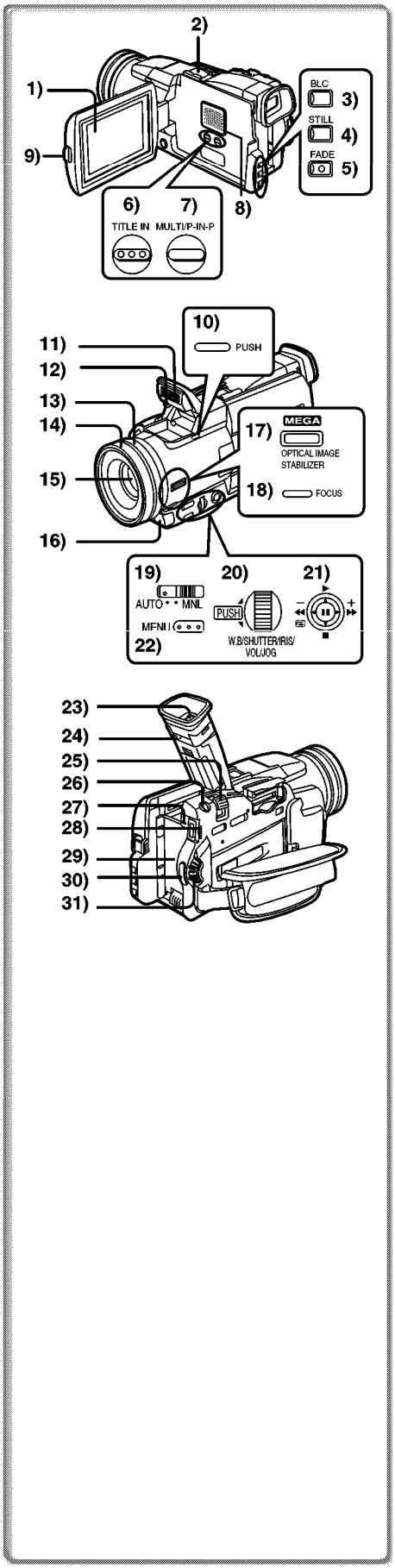
7 OPERATING GUIDE



Standard Accessories

Illustrated on the left are accessories supplied with the Movie Camera.

1) **AC Adaptor, DC Input Lead and AC Mains Lead**
2) **Battery Pack**
3) **Remote Controller and Button-Type Battery**
4) **Lens Cap**
5) **AV Cable**
6) **Shoulder Strap**
7) **SD Memory Card (NV-MX8 only)**
8) **Personal Computer Connection Kit (NV-MX2 only)**
9) **USB Connection Kit (NV-MX8 only)**



Controls and Components

1) LCD Monitor

• Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the LCD Monitor screen. However, this is not a malfunction and does not affect the recorded picture.

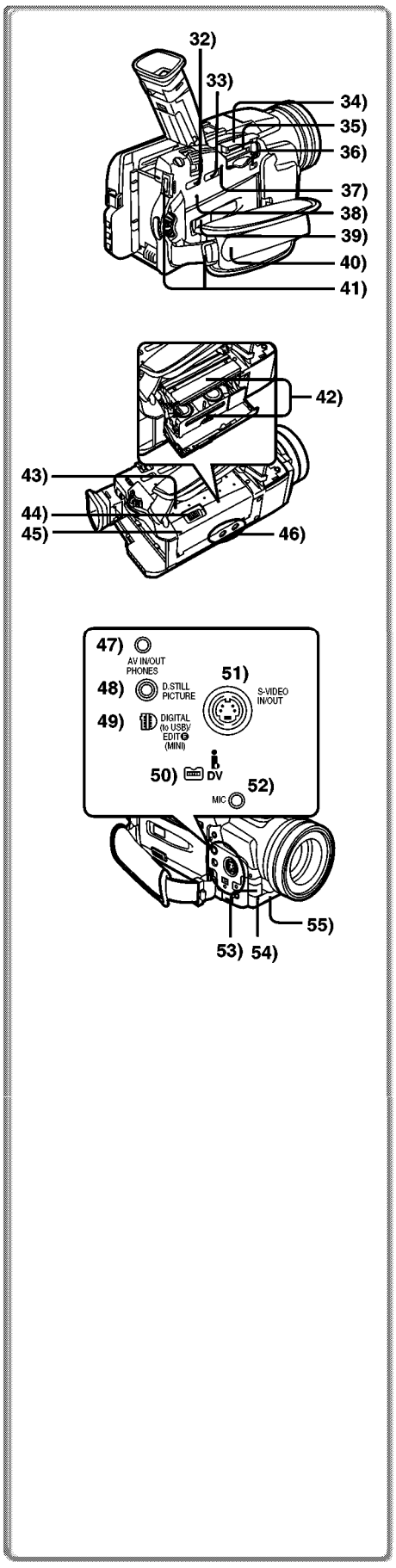
2) Smart Accessory Shoe

- The Video Flash (VW-FLH3E:Optional) or the Stereo Microphone (VW-VMS2E:Optional), etc. can be attached here. Power is supplied directly from the Movie Camera when using an accessory supported by the Smart Accessory Shoe.
- Do not touch the connectot part of the Smart Accessories Shoe.

3) Backlight Button [BLC]
4) Still Button [STILL]
5) Fade Button [FADE]
6) Title In Button [TITLE IN] (NV-MX8 only)
7) Multi/P-in-P Button [MULTI/P-IN-P]
8) Speaker
9) LCD Monitor Open Button [PUSH OPEN]
10) Flash Open Button [PUSH] (NV-MX8 only)
11) Built-in Video Flash (NV-MX8 only)
12) Flash sensor (NV-MX8 only)
13) Focus Ring
14) Lens Hood
15) Lens (LEICA DICOMAR)
16) Remote Control Sensor
17) Optical Image Stabilizer Button [OPTICAL IMAGE STABILIZER] ([OIS])
18) Focus Button [FOCUS]
19) Mode Selector Switch [AUTO/MNL]
20) Multi-Function Dial [PUSH]
21) Operation Lever
Operates by pushing the lever to each direction.
Ⓐ:Reverse Search [-]
Rewind/Review [◀◀]
Forward Search [+]
Fast Forward/Cue [▶▶]
Recording Check [⮌]
Ⓑ:Playback [▶]
Pushing it twice activates the Variable Speed Search mode.
Ⓒ:Stop [■]
Operates by pressing.
Ⓓ:Pause [❚❚]
22) Menu Button [MENU]
23) Viewfinder

• Due to limitations in LCD producton technology, there may be some tiny bright or dark spots on the Viewfinder screen. However, this is not a malfunction and does not affect the recorded picture.

24) Eyepiece Corrector Knob
25) Zoom Lever [W/T]
26) Photoshot Button [PHOTO SHOT]
27) Battery Eject Button [BATT PUSH]
28) Mode Lamps
29) Battery Holder
30) Recording Start/Stop Button
31) Power Off/On Mode Selector Switch [OFF/ON/MODE]



32) Tape/Card Selector [TAPE/CARD] (NV-MX8 only)
33) Card Mode Selector [PICTURE/MPEG4/VOICE] (NV-MX8 only)
34) Card Slot Cover (NV-MX8 only)
35) Card Slot (NV-MX8 only)
36) Card Slot Cover Open Lever [OPEN] (NV-MX8 only)
37) Card Access Lamp [ACCESS] (NV-MX8 only)
38) Reset Button [RESET]
39) Cassette Compartment Window
40) Grip Belt
41) Shoulder Strap Holder
42) Cassette Holder
43) Upper Cassette Compartment Cover
44) Cassette Eject Lever [OPEN/EJECT]
45) Lower Cassette Compartment Cover
46) Tripod Receptacle
- Use for mounting the Movie Camera on an optional tripod.

47) Audio-Video Input/Output Socker [AV IN/OUT] (Input function on NV-MX8 model only)
Headphone Socket [PHONES]
- Connecting an AV Cable to this socket activates the Movie Camera's built-in speaker, but connecting a headphone, etc. deactivates it.

48) Digital Still Picture Terminal [D.STILL PICTURE]
49) Edit Socket [EDIT Ⓔ (MINI)]
USB Socket [DIGITAL (to USB)] (NV-MX8 only)
50) DV Terminal (i.LINK) [i]
- Connect this to the digital video equipment.
- "i.LINK" is the name of connectors in accordance with IEEE1394-1995. "i" is a logo marked on products comforming with the "i.LINK" specifications.

51) S-Video Input/Output Socket [S-VIDEO IN/OUT]
(Input function on NV-MX8 Model only)
52) Microphone Socket [MIC]
- Connect with an external microphone or audio equipment. (When this socket is in use. the built-in microphone does not operate.)

53) White Balance Sensor
54) Recording Lamp
55) Microphone (built-in, stereo)

8 ADJUSTMENT PROCEDURES

8.1. DISASSEMBLE FLOW CHART

This flow chart indicates the disassembly steps the cabinet parts, C.B.A. and Mecha. Unit in order to access to be serviced. When reinstalling, perform the steps in the reverse order.

1 Front Case Unit

↓

2 Side Case (R) Unit

↓

3 Lens Unit

4 Camera C.B.A.

9 Monitor C.B.A.

↓

5 EVF / Rear Case Unit

↓

6 Main C.B.A. / Mech. Unit

7 Flash Unit (NV-MX8 ONLY)

8 EVF C.B.A.

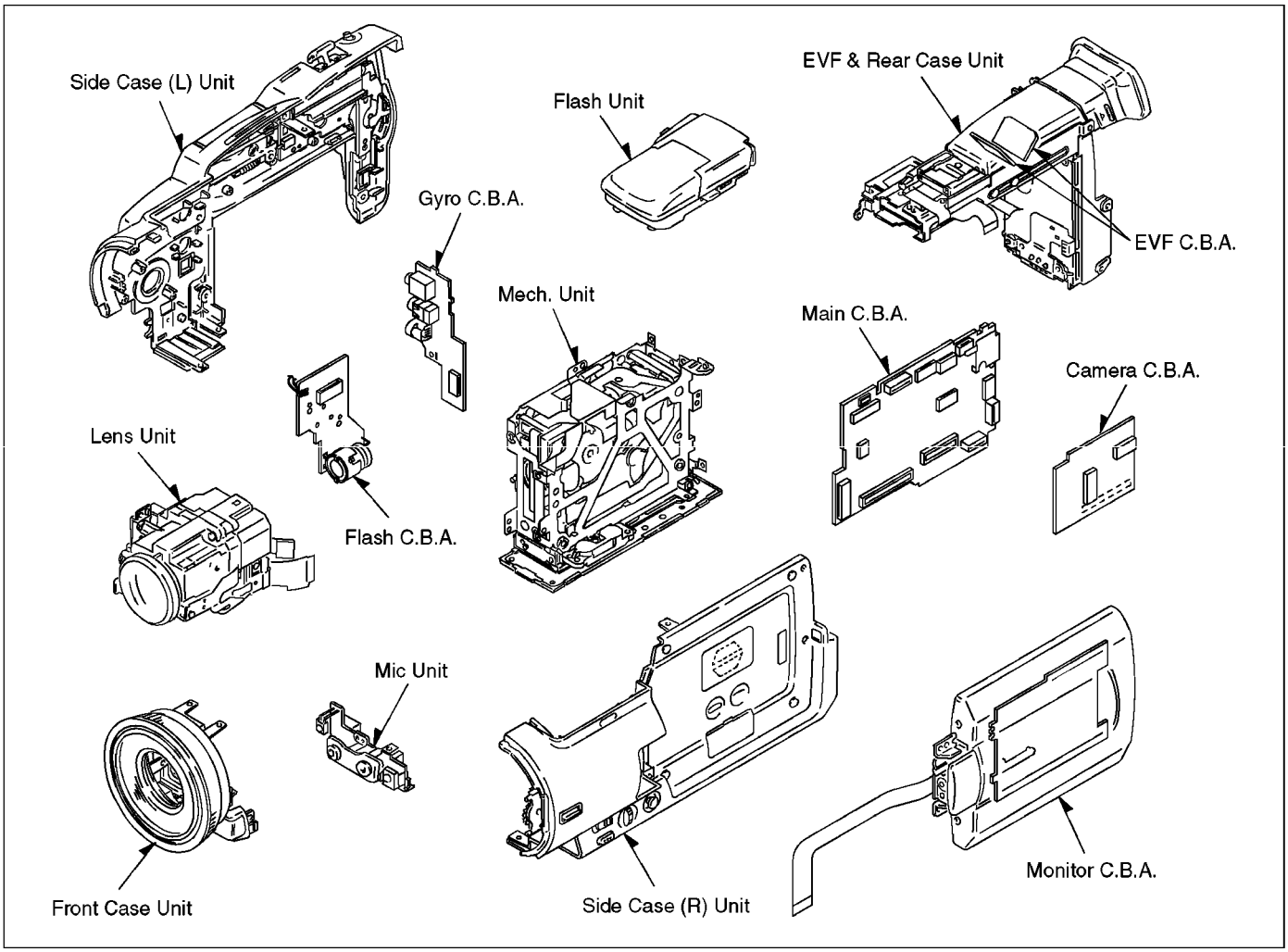


Fig. F1

8.2. DISASSEMBLY PROCEDURES

Flow-Chart for Disassembly Procedure

No.	Item/Part	Fig.	Removal (Screw & Other)
1.	Front Case Unit	Fig. D2	2-Screws (A/B)
		Fig. D3	2-Screws (C/D)
		Fig. D4	<NV-MX8> Open the Flash Light <NV-MX2> 1-Screw (X) Remove the Top Case
		Fig. D5	2-Screws (E)
		Fig. D6	1-Connector FP4901 Remove the Front Case Unit
2.	Side Case (R) Unit	Fig. D7	1-Screw (F)
		Fig. D8	2-Screws (G)
		Fig. D9	1-Screw (H)
		Fig. D10	4-Screws (I)
		Fig. D11	2-Screws (J)
		Fig. D12	3-Connectors FP301/FP601/FP2206 Remove the Side Case (R) Unit
3.	Lens Unit	Fig. D13	1-Screw (K) 2-Connectors FP701/PS201 Remove the Lens Unit 1-Screw (L) Remove the Lens Frame Unit
4.	Camera C.B.A.	Fig. D14	1-Connector PS3004 Remove the Camera C.B.A.
5.	EVF/Rear Case Unit	Fig. D15	3-Screws (M)
		Fig. D16	1-Screw (N)
		Fig. D17	<NV-MX8> Be sure to discharge the capacitor on Flash C.B.A. 4-Connectors FP603 / FP1003 / FP3401 / FP7002 Remove the EVF/Rear Case Unit
		Fig. D18	1-Screw (O) Remove the Rear Case Unit
6.	Mech. Unit/Main C.B.A.	Fig. D19	2-Screws (P) 3-Connectors FP451/FP2205/FP4001 4-Tabs Remove the Mech. Unit/Main C.B.A.
		Fig. D20	5-Connectors FP5001 / FP2201 / FP2202 / FP2203 / FP2204 2-Tabs Remove the Gyro Flex. Cable Remove the Main C.B.A.
		Fig. D21	3-Screws (Q) Remove the Mech. Flame Unit
7.	Flash Unit <NV-MX8 ONLY>	Fig. D22	Slide the EVF Unit 1-Screw (R) Remove the Flash Unit
8.	EVF C.B.A.	Fig. D23	2-Screws (S) Remove the EVF Unit
		Fig. D24	Remove the Eye Cap Unit 2-Tabs Remove the EVF Case (Upper)
		Fig. D25	2-Tabs 2-Connectors FP801/FP802 Remove the EVF C.B.A.
9.	Monitor C.B.A.	Fig. D26	4-Screws (T) 2-Tabs Remove the (R) Cover Unit
		Fig. D27	2-Screws (U) Remove the LCD Unit
		Fig. D28	6-Screws (V/W) 5-Tabs Remove the LCD Case (Upper)
		Fig. D29	1-Connector FP903 Remove the LCD Hinge Unit
		Fig. D30	1-Screw (Z) 1-Connector FP901 Unsolder 2 portions Remove the Monitor C.B.A.

<NV-MX8 ONLY>
If the card is inserted, take out it before disassembling

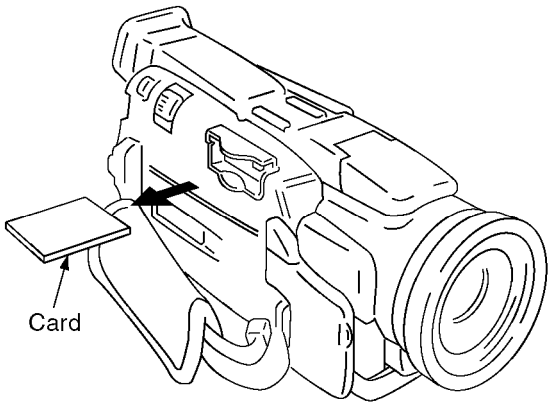


Fig. D1

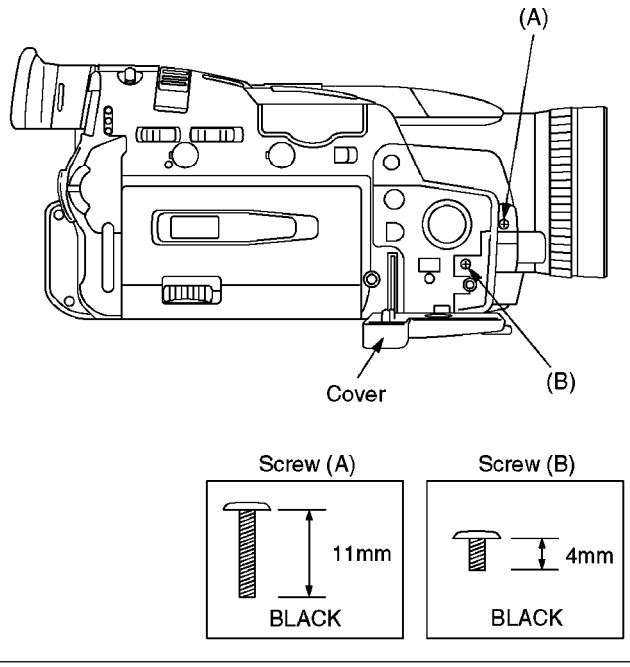


Fig. D2

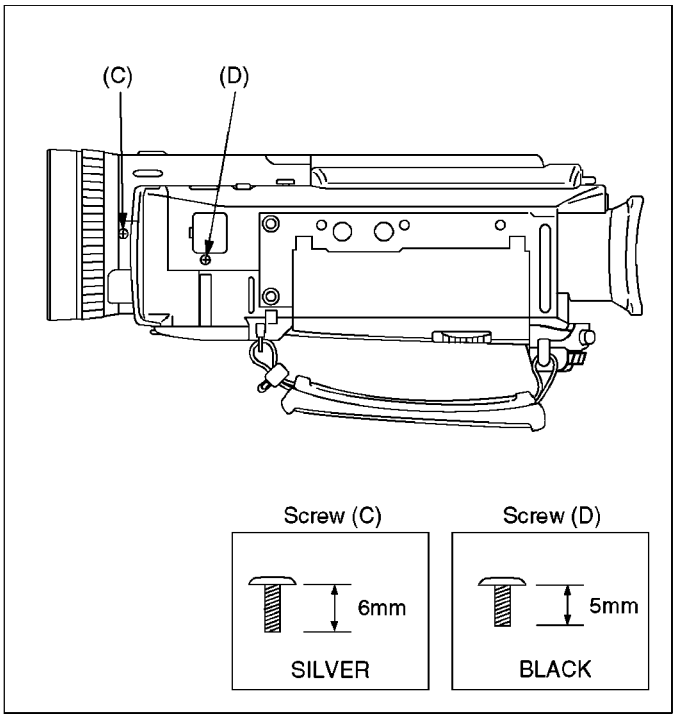


Fig. D3

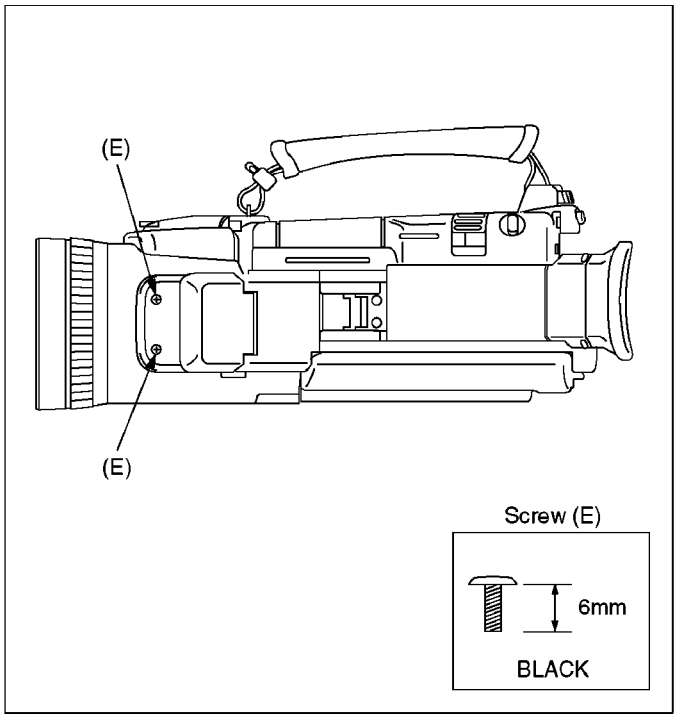


Fig. D5

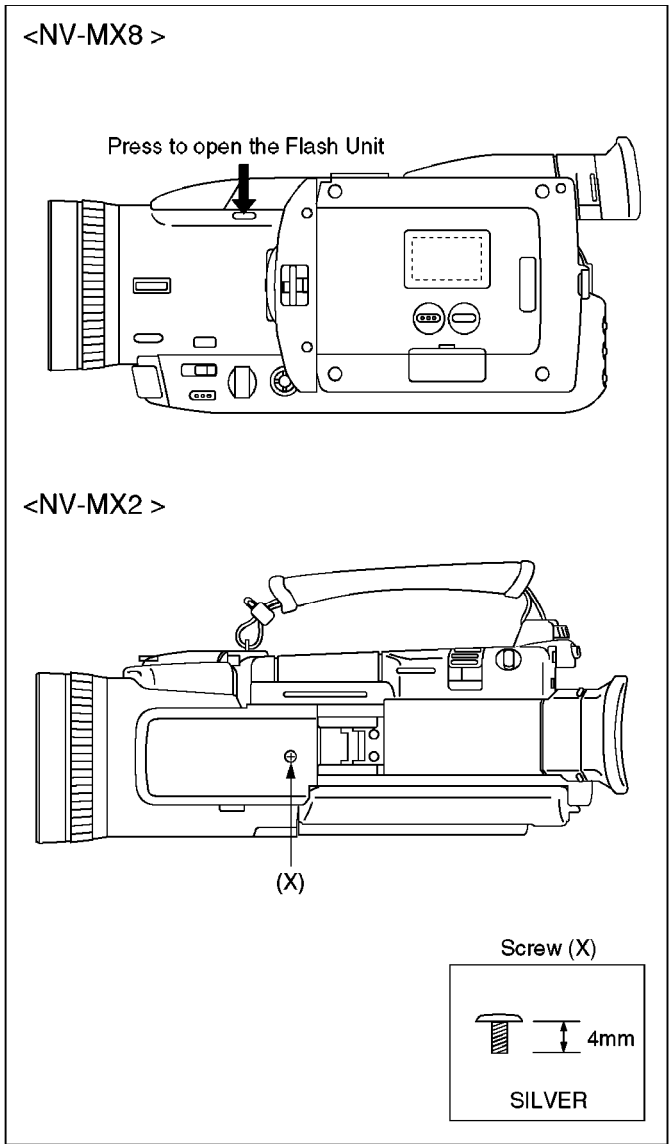


Fig. D4

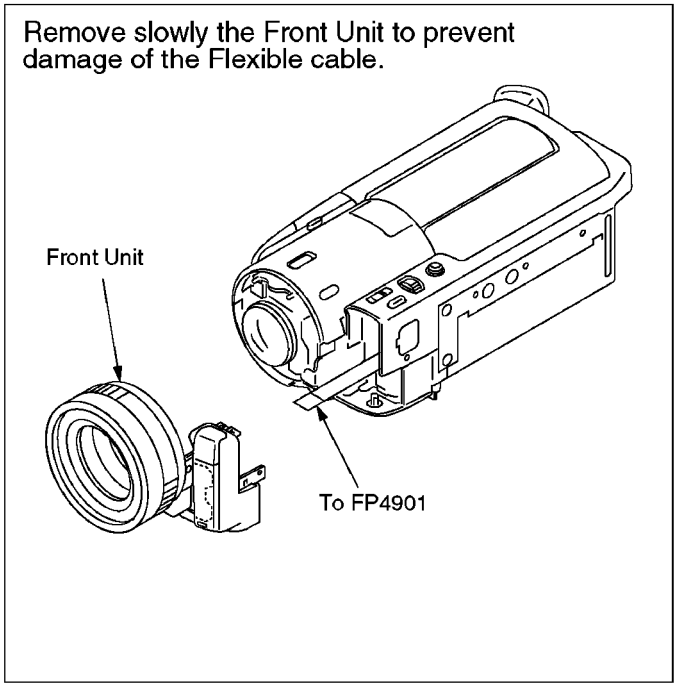


Fig. D6

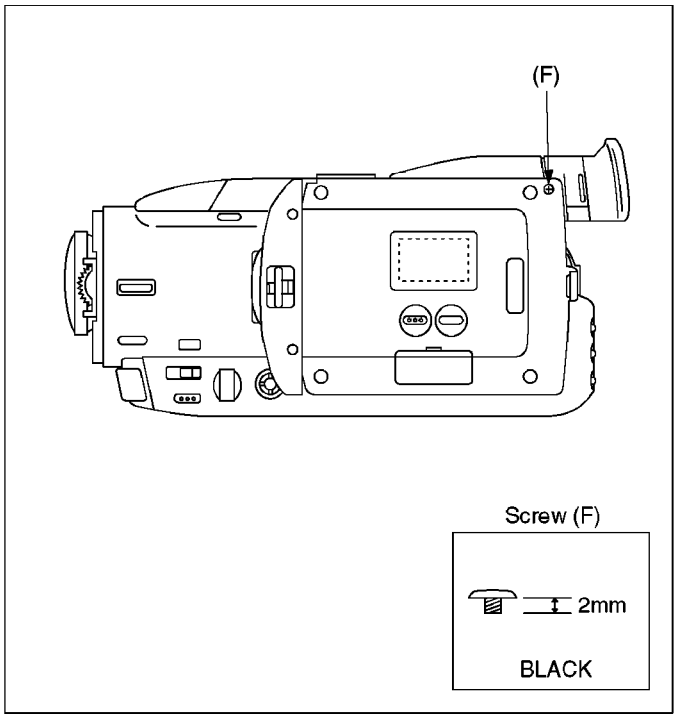


Fig. D7

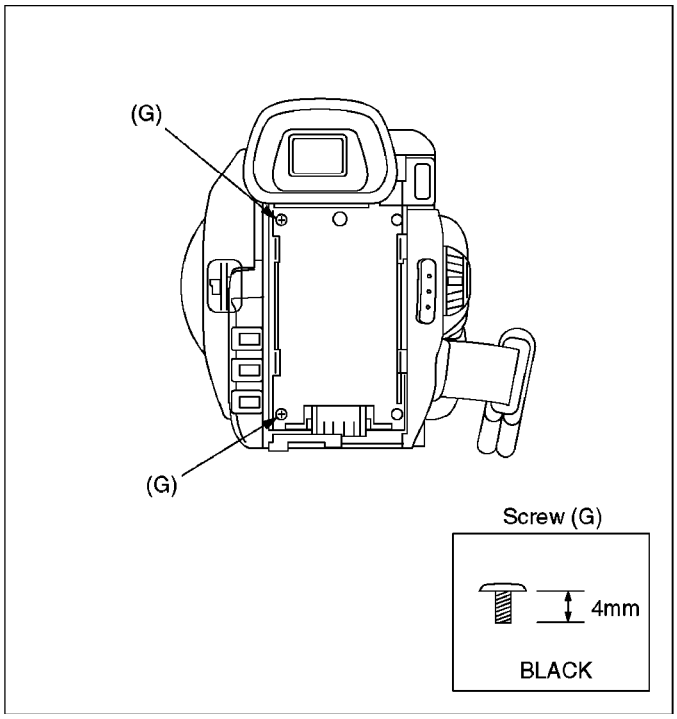


Fig. D8

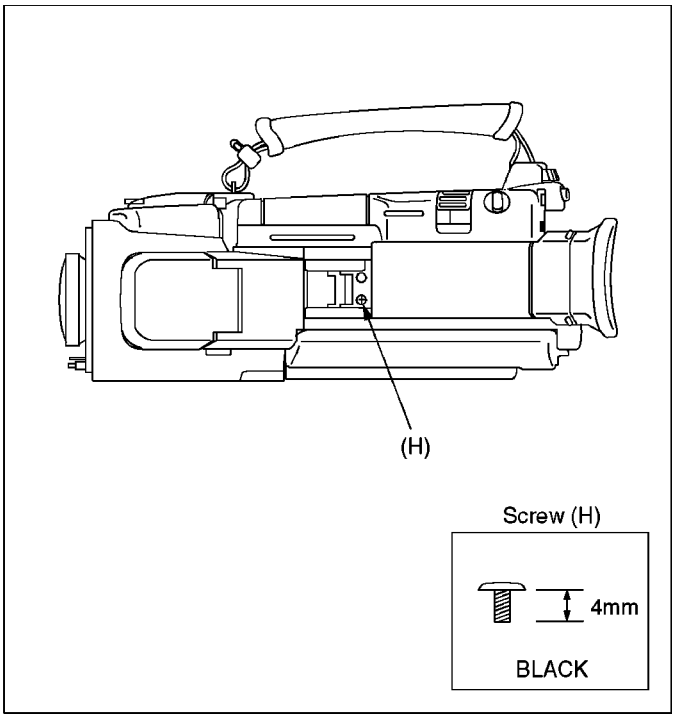


Fig. D9

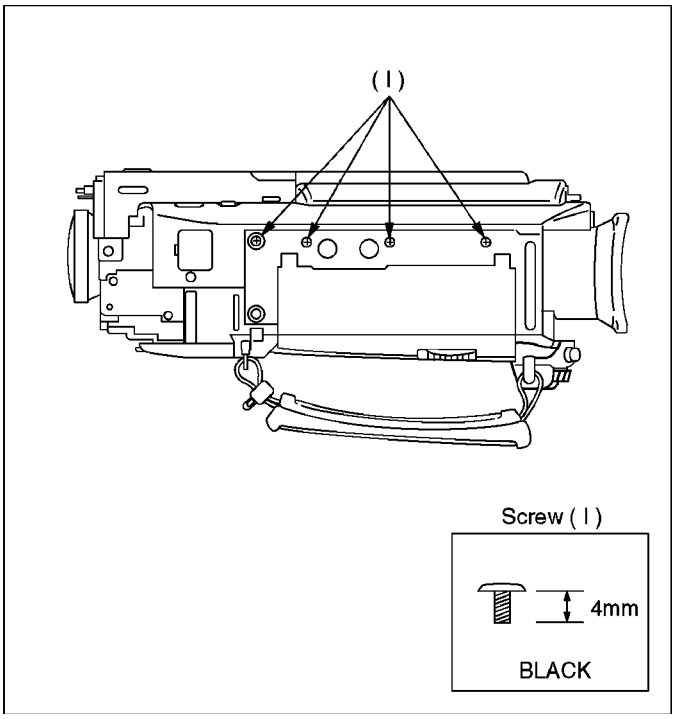


Fig. D10

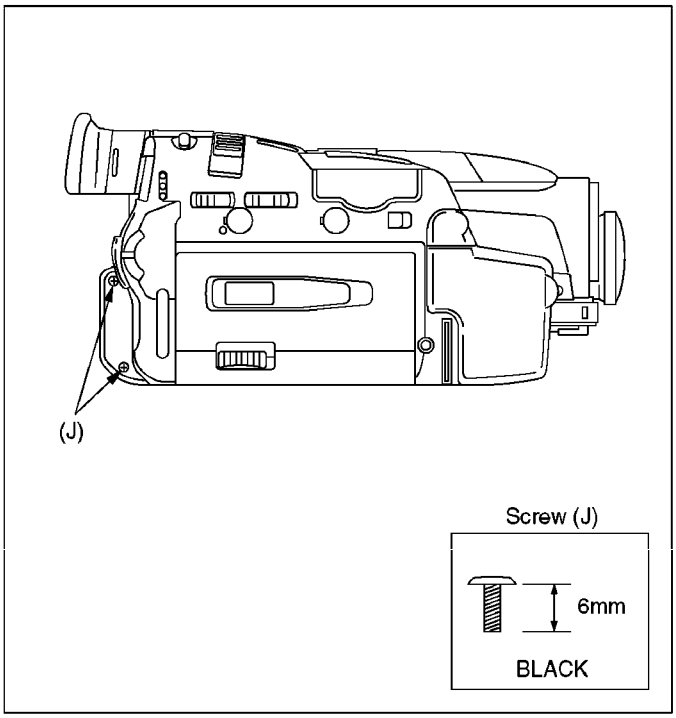


Fig. D11

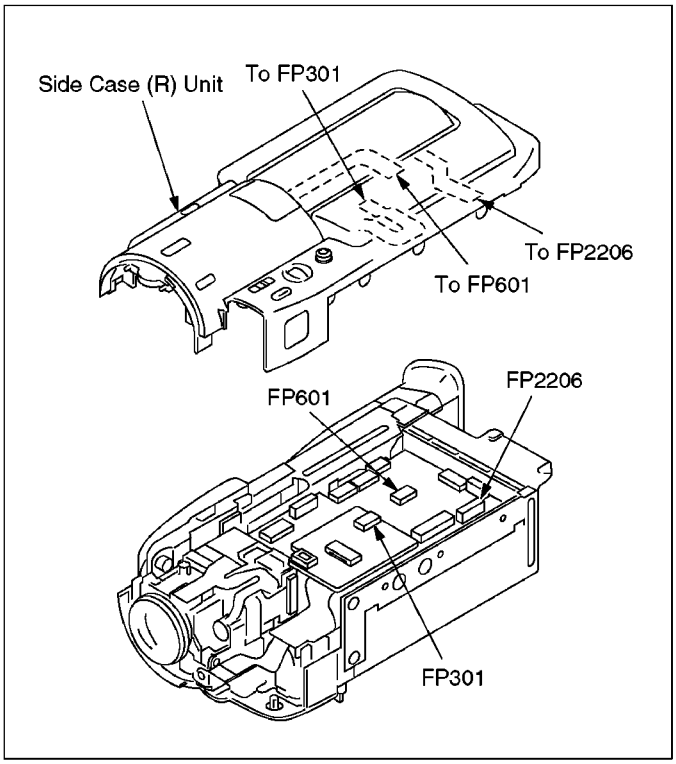


Fig. D12

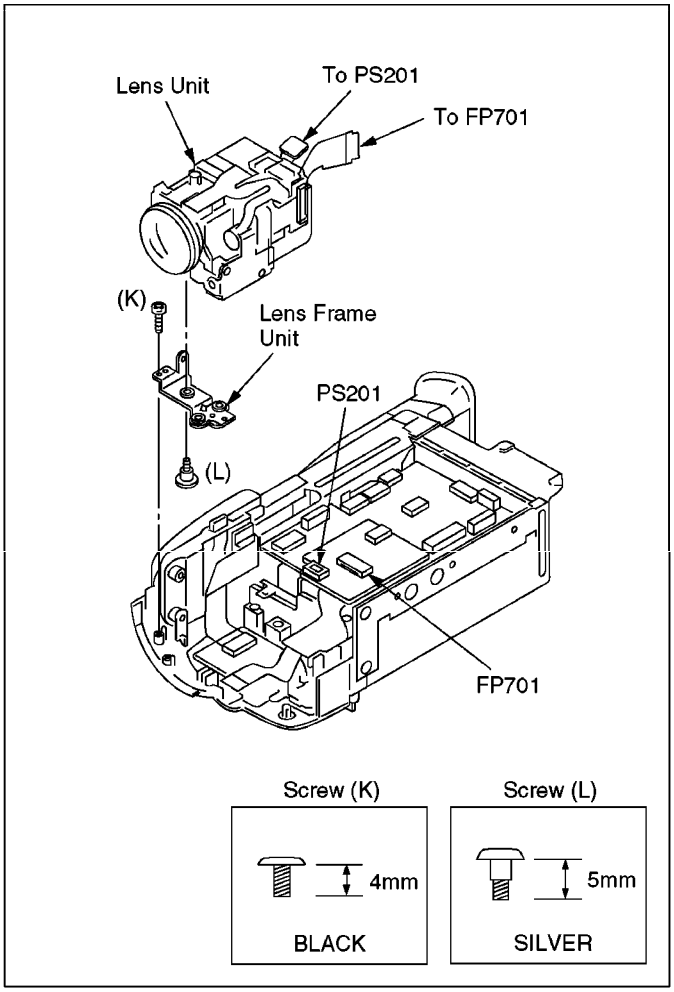


Fig. D13

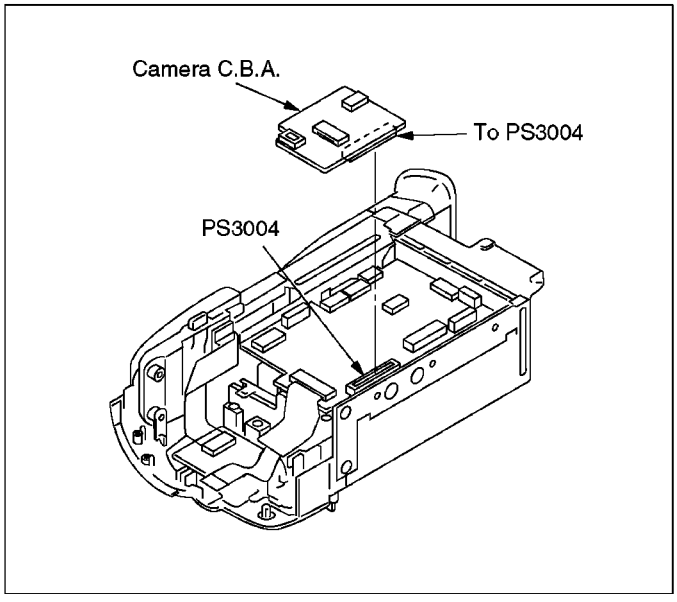


Fig. D14

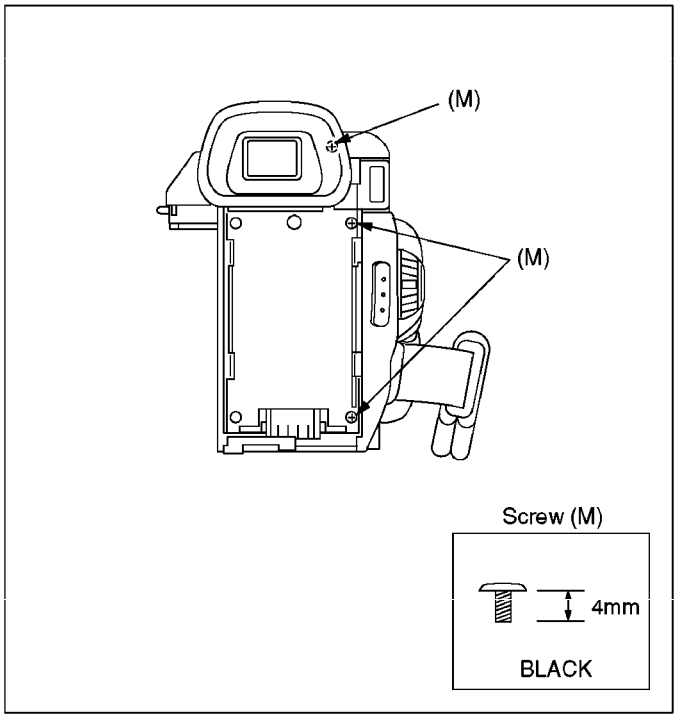


Fig. D15

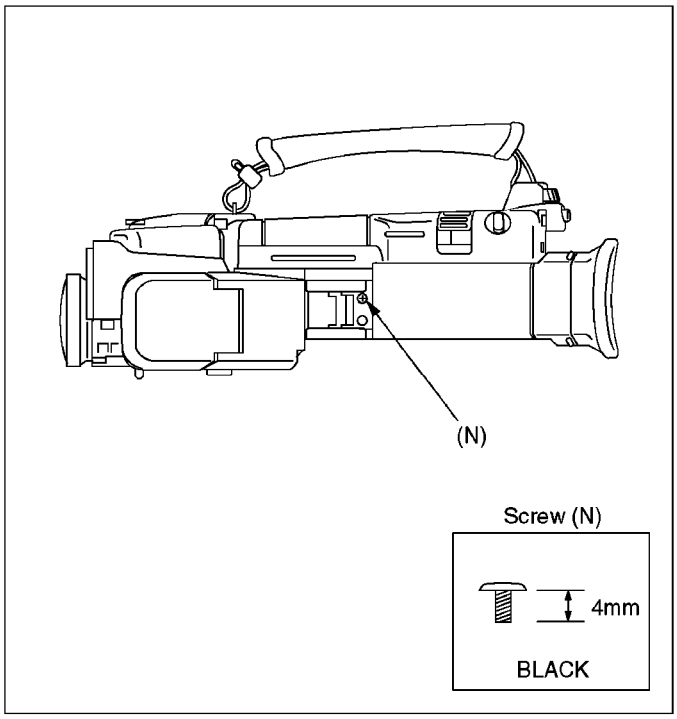


Fig. D16

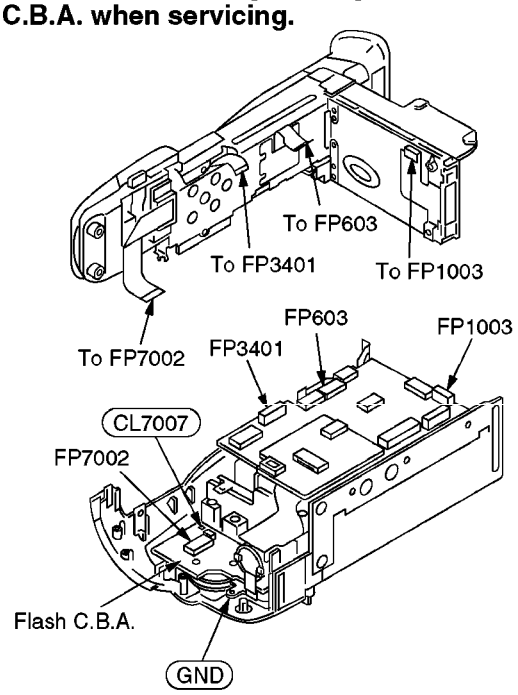
<NV-MX8 ONLY>

CAUTION

Be sure to discharge the capacitor on Flash C.B.A. before disassembling.

CAUTION

Be careful of the high voltage circuit on Flash C.B.A. when servicing.



Method:

1. Prepare the 2 Resistors (ERG2SJ221:220 ohm/2w) for discharge.
   Note:
   Above 2 Resistors may be substituted with equivalent type.
2. Make short circuit using 2 Resistors between CL7007 and GND for 3 seconds as follows.
3. After discharging, confirm that the capacitor voltage is sufficiently lowered using a voltmeter.

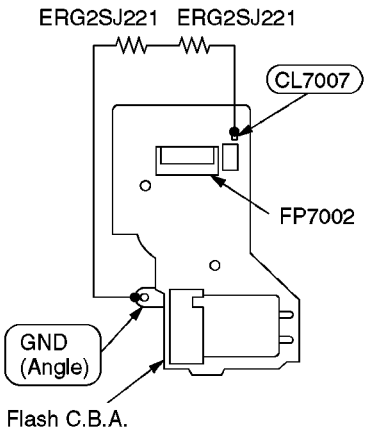


Fig. D17

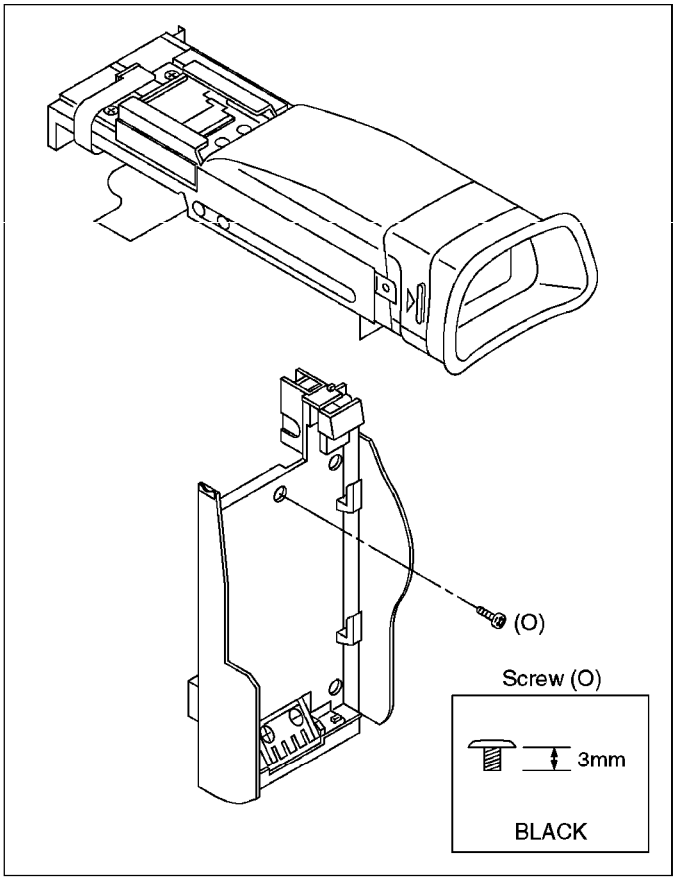


Fig. D18

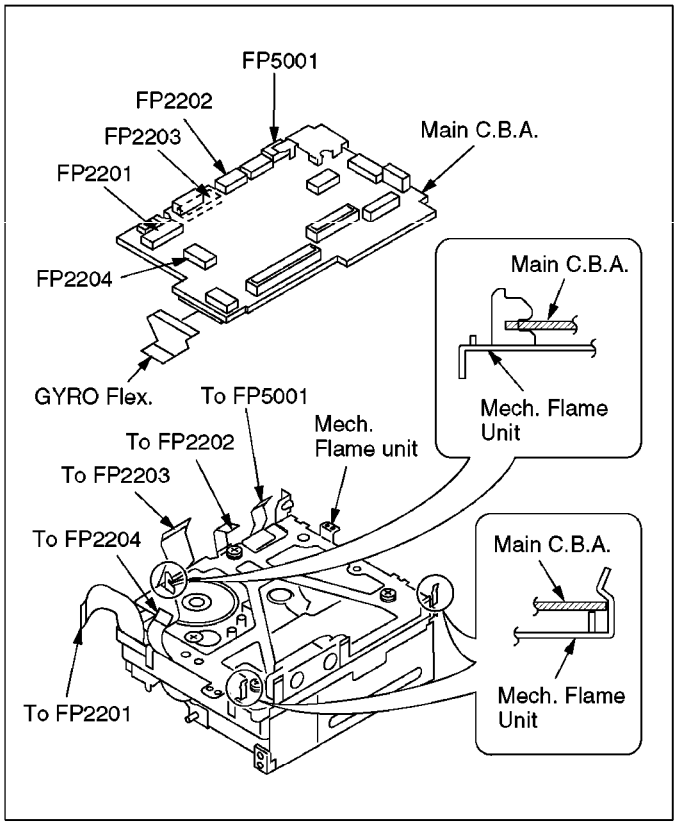


Fig. D20

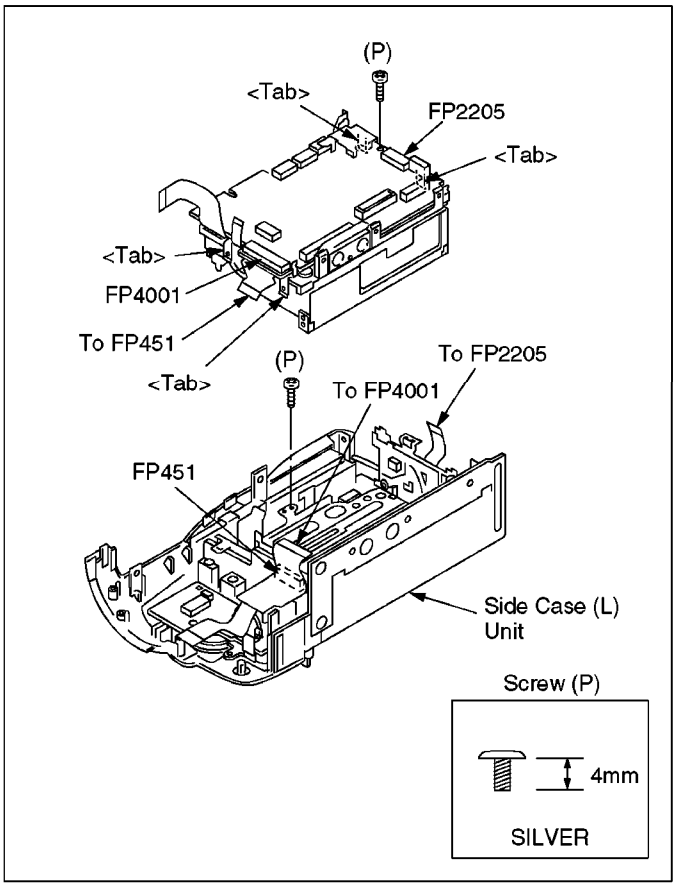


Fig. D19

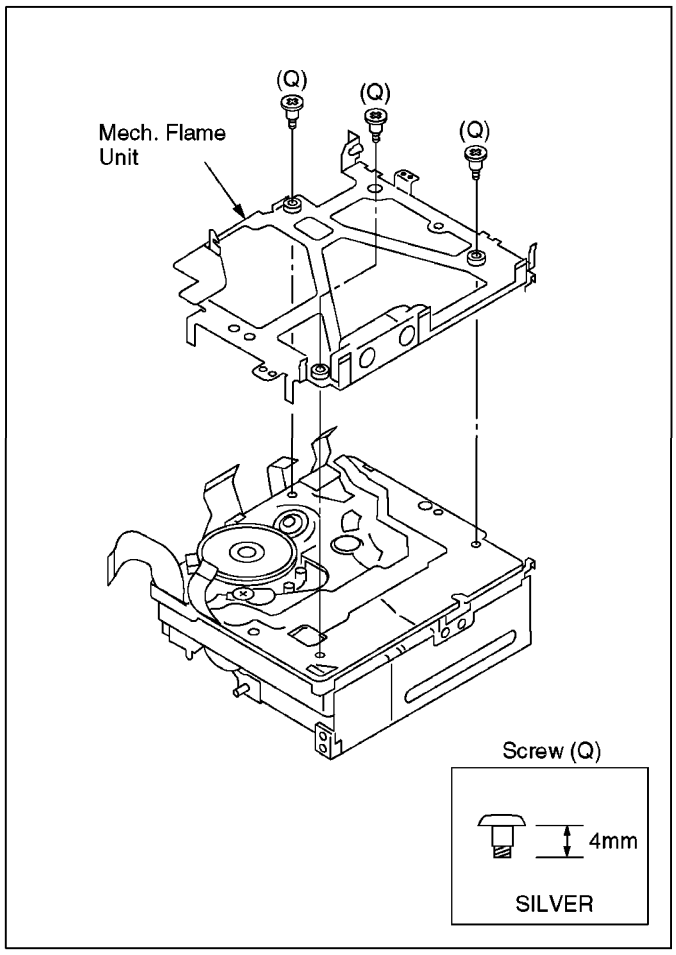


Fig. D21

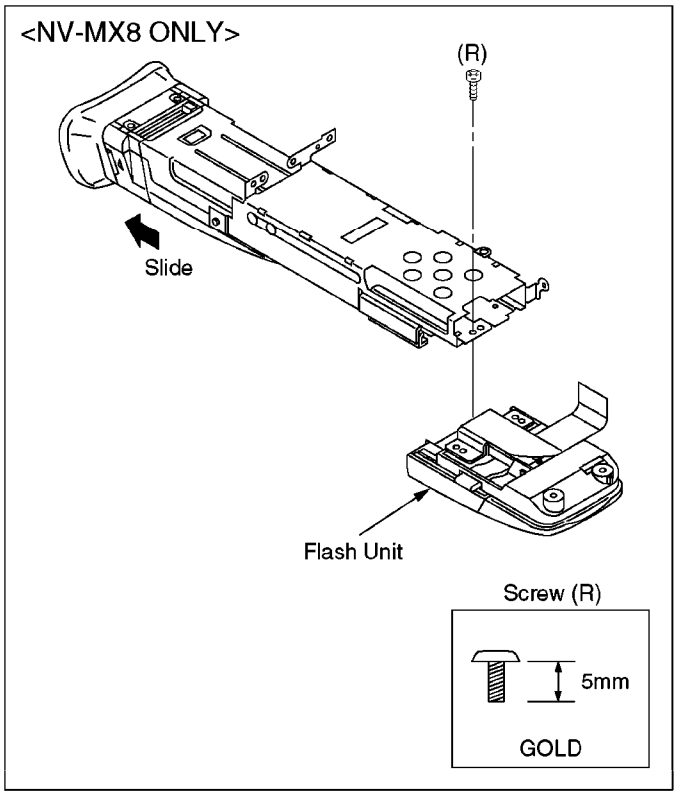


Fig. D22

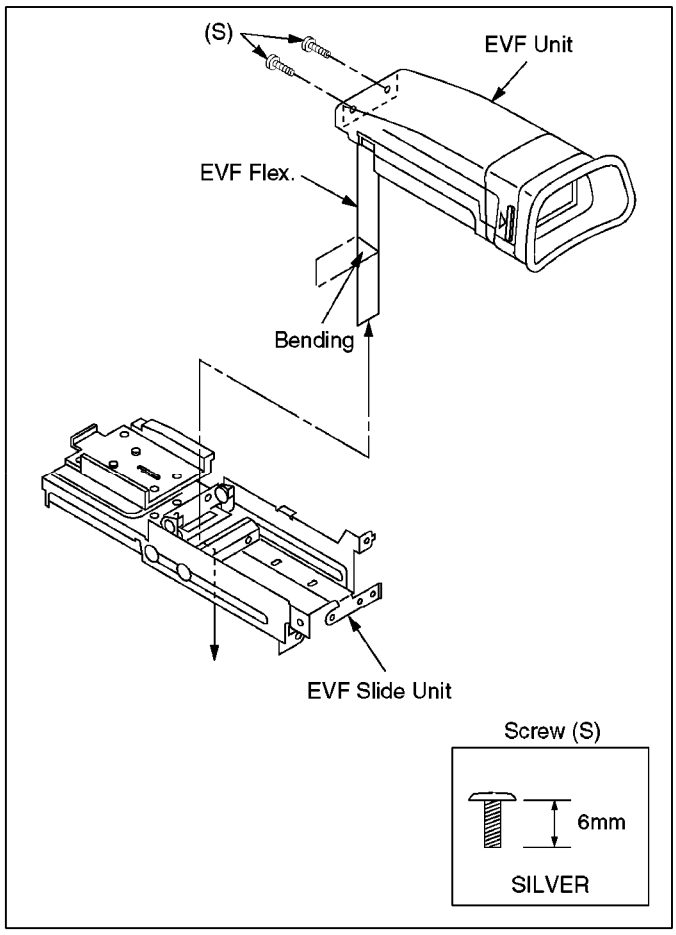


Fig. D23

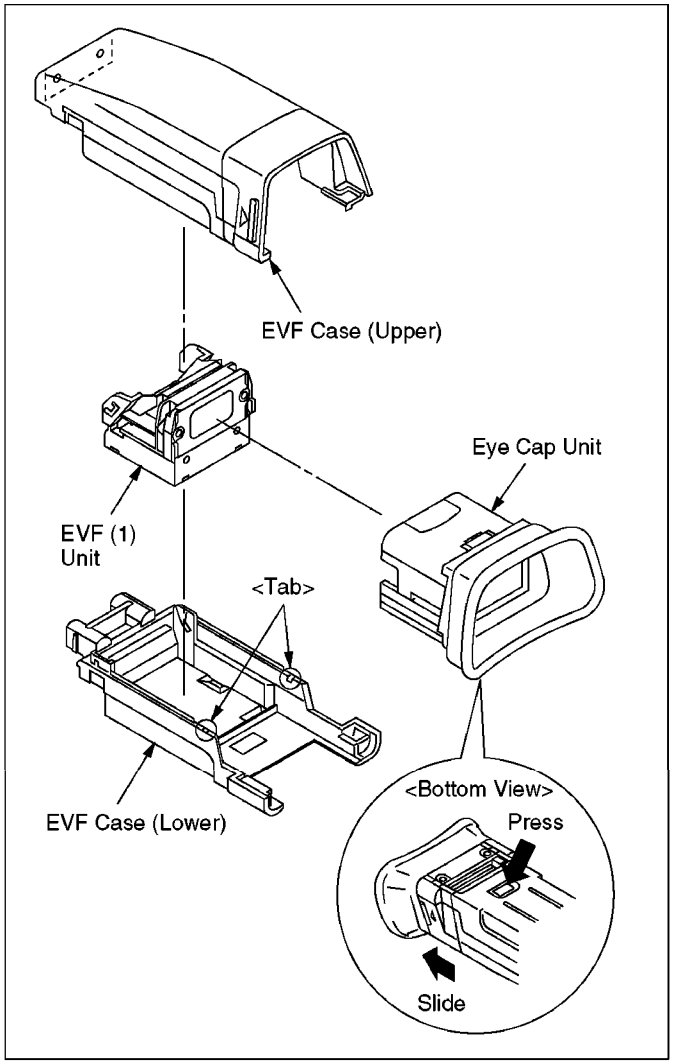


Fig. D24

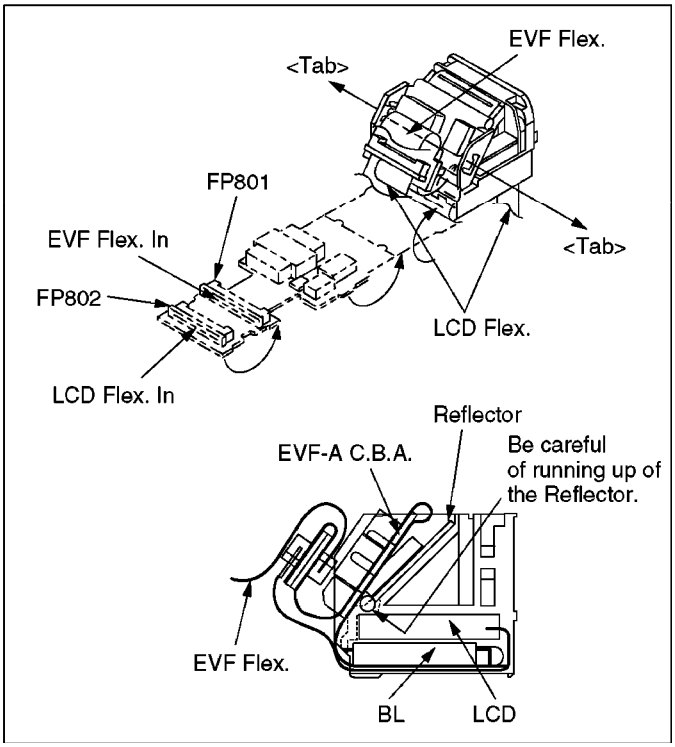


Fig. D25

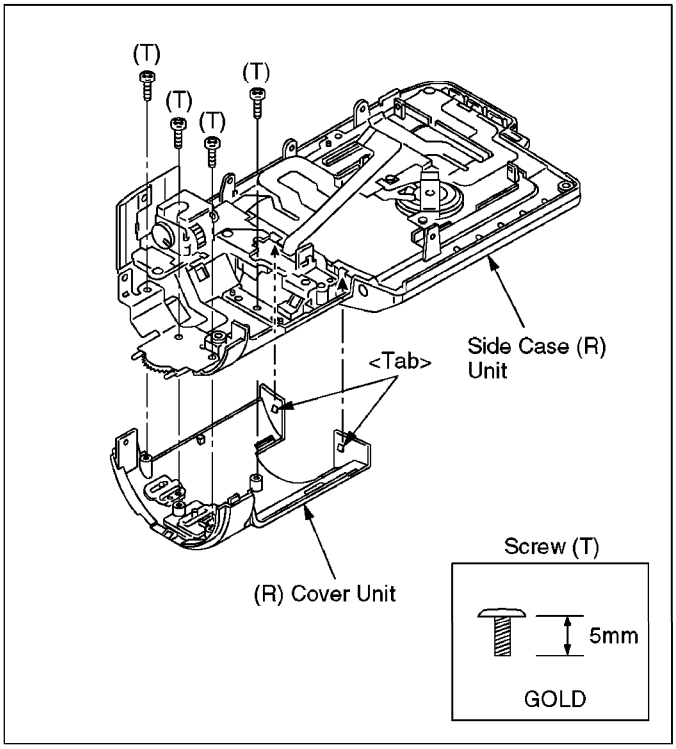


Fig. D26

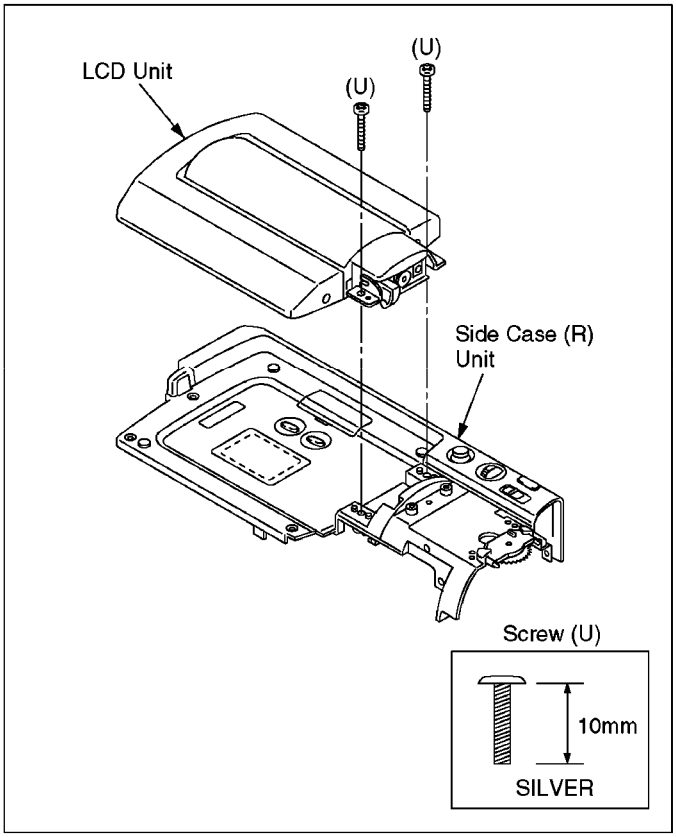


Fig. D27

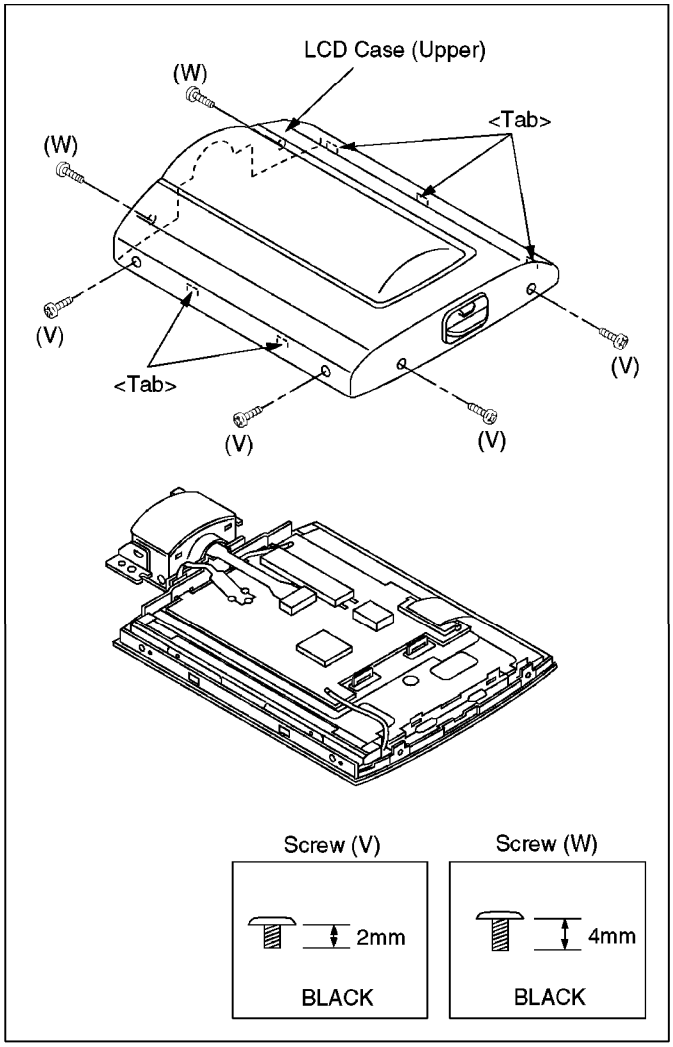


Fig. D28

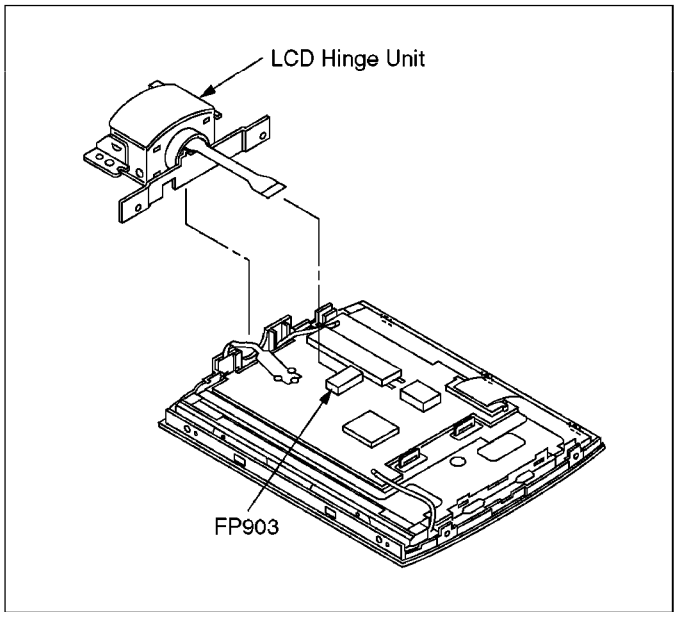


Fig. D29

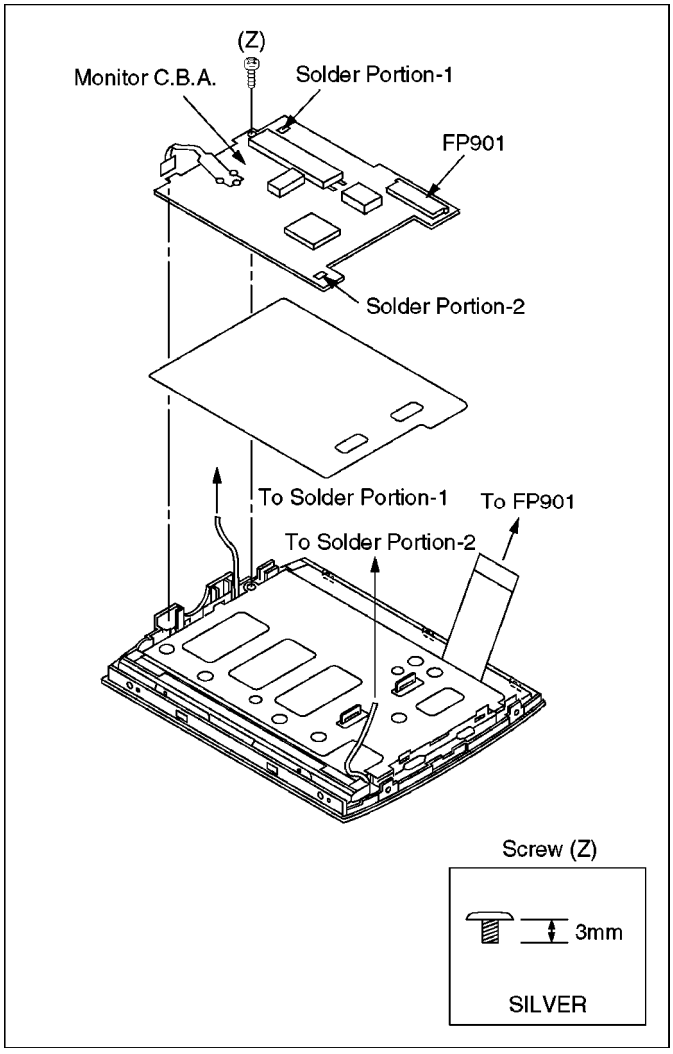

(Z)
Monitor C.B.A.
Solder Portion-1
FP901
Solder Portion-2
To Solder Portion-1
To FP901
To Solder Portion-2
Screw (Z)
3mm
SILVER

Fig. D30

8.3. DISASSEMBLY PROCEDURES OF CAMERA LENS UNIT

The following flowchart describes order or steps for removing the Camera lens unit and certain printed circuit boards in order to make access to the item needing service.
To reassemble the unit follow the steps in reverse order.

1. CCD Unit	Ref.-No.302
2. CCD Cushion & Crystal Filter	Ref.-No.304/301
3. Lens Flex. Unit & Zoom Motor	Ref.-No.310/306
4. Master Flange & Iris Unit	Ref.-No.320/308
5. 3rd Moving Frame Unit	Ref.-No.319
6. 4th Moving Frame Unit	Ref.-No.317
7. 2nd Moving Frame Unit	Ref.-No.316
8. Z Guide Pole	Ref.-No.313/314

Note 1:
Each Ref-numbers are equivalent to number of Fig.L1 and Parts List.

Fig. L1

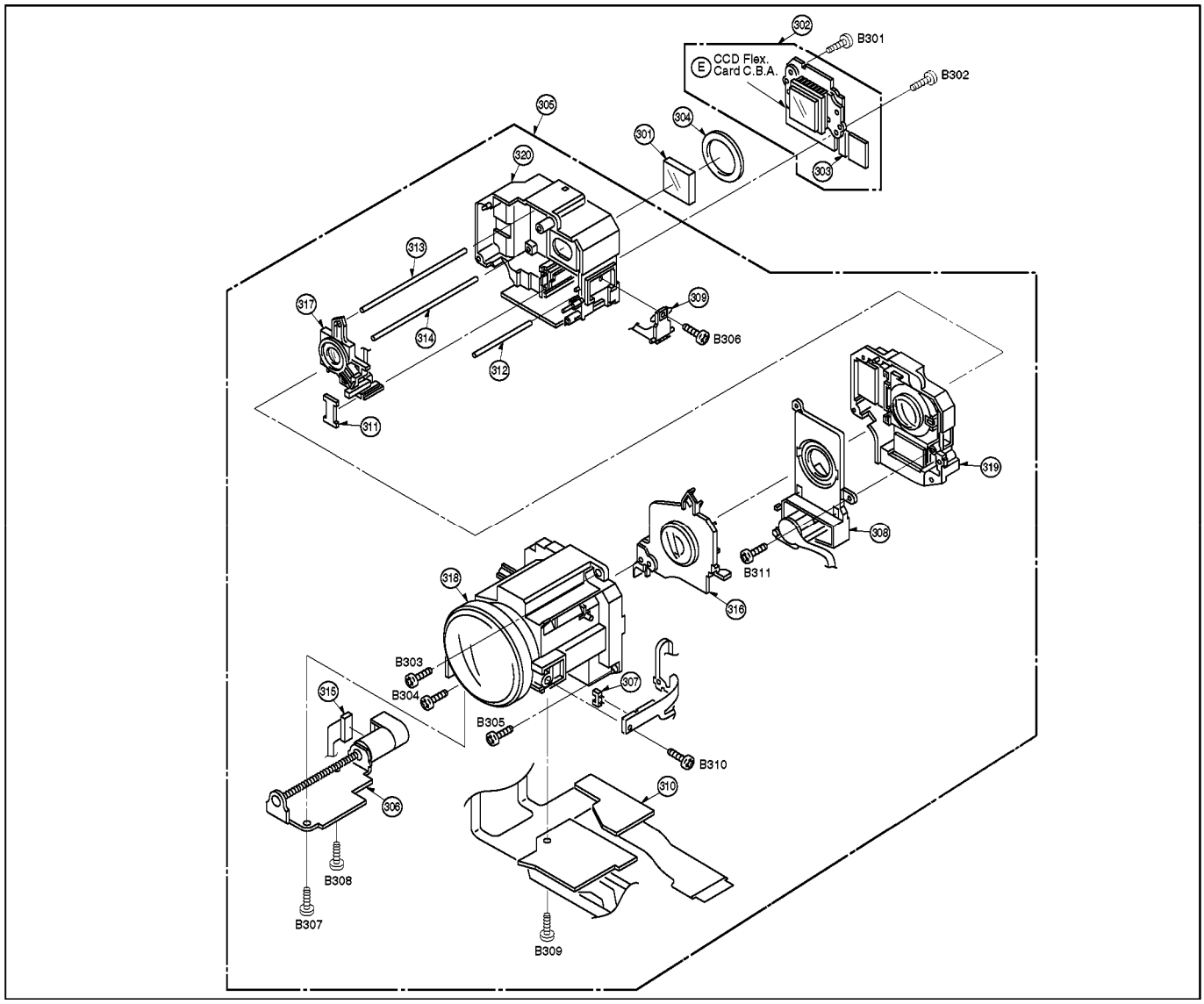


Fig. L2

9 ABBREVIATIONS

	INITIAL/LOGO	ABBREVIATIONS
A	A GND	Analogue GND
	A HASW	Audio Head Amp Switching Pulse
	A HSW	Audio Switching Pulse
	A MUTE	Audio Mute
	A ORP	Audio Overlap Pulse
	A. TR	Auto Tracking
	A0-8, 0-17	Memory Address
	A3V2	AD Converter Reference Voltage
	AB0-4	Address Bus
	AB0-4, AB12-15	Address Bus Line 0-4, 12-15
	ABSF	Focus Encoder Input
	ACI	Analogue Channel Cording IC
	AD	AD Converter
	AD	Auto Date, Analogue Digital Converter
	AD CLK	AD Clock
	AD REC	Audio Delayed REC
	AD0-6	Address
	AD0-6, ADR0-6	Address Data Line
	ADCLK	Analogue Digital Converter Clock
	ADCNT	Analogue Digital Control
	ADCS	Analogue Digital Chip Select
	A-DET	Audio Detect
	ADREC	Audio Delaied Rec
	ADUB	Audio Dubbing
	AE	Auto Expose
	AECNT	Auto Expose Control
	AEE(H)	Audio E-E (H)
	AEH	Audio Erase Head
	AEIRQ	Auto Expose Interrupt Request
	AF/MF	Auto Focus/Manual Focus
	AF DIS CS	AF DIS Chip Select
	A-FADE(L)	Audio Fade (L)
	AF-AMP	AF HALL Bias
	AFCS	Auto Focus Chip Select
	AFRP	Audio PLL Voltage Control
	AF-VN	Zoom Encoder V-Ref (–)
	AF-VP	Zoom Encoder VREF (+)
	AGC	Automatic Gain Control
	AGCCNT	Automatic Gain Control Control
	AGND	Analogue Ground/Audio Ground
	AGS	Anti Ground Shooting
	AH(P) / (R)	Audio Head (Play) / (Record)
	AHASW	Audio Head Amp Switch Pulse
	AHSW	Audio Head Switch Pulse
	AI, AO	Buffer Input, Output
	AIBCK	Bit Clock (to A/D Converter)
	AIDAT	Serial Data (to A/D Converter)
	AILRCK	L/R Clock (to A/D Converter)
	AIMCK	Master Clock (to A/D Converter)
	ALC CNT	Auto Level Control Control
	ALC MAIN	Auto Level Control Drive
	ALE	Address Latch Enable
	A-LOCK	Full Auto Switch
	A-MUT(H)	Audio Mute (H)
	ANLPTH	Analogue Loop Through High
	AORP	Audio Overlap Pulse
	APCNT	Aperture Control
	APS	Auto Power Save
	ART VH	Artifical Vertical Sync
	AT CNT	Automatic Tracking Gain Adjust
	ATF	Automatic Track Finding
	ATFCLK	41.85MHz Clock
	ATFG	Auto Track Gain
	ATL	Auto Lock Select
	ATN	Absolute Track Number
	ATR OFF(H)	Auto Tracking Off (H)
	ATV	Advanced TV
	AUDIO(N)	Audio (Normal)
	AUX	Auxiliary
	AVDD	Analogue VDD
	AVSS	Analogue Ground
	AWTB	Auto White Balance B-Y
	AWTR	Auto White Balance R-Y
B	BACK	Back-up
	BACK UP	Microcomputer Back-up
	BACK VDD	Back-up Power
	BATT	Battery
	BATT ALARM	Battery Alarm
	BATT REF	Reference Voltage for Battery
	BCB	B Carrier Balance
	BCBM(B-Y)	B-Y Carrier Balance
	BCBM(R-Y)	R-Y Carrier Balance
	BD0-7	REC/Play In/Out Buss
	BDCK	Standard Bus Data Clock (9MHz)
	BDEN	Standard Bus Data Enable
	BEND	Data Block End Request
	BF	Burst Flag Pulse
	BFA	Burst Flag Pulse for Encorder
	BFO/BFI	Burst Flug Input/Output
	BI, BO	Buffer Input, Output
	BL	Back Light
	BL ON	Back Light ON (L)
	BL4V	Back Light 4V
	BLC 0, 1	Back Light Y Control Out, In
	BLDI/O	Back Light Drive Input/Output
	BLK	Blanking Pulse
	BLKA	Blanking for Encorder
	BLKA	Blanking Pulse for Encorder
	BLKI/O	Blanking Pulse In/Out

	INITIAL/LOGO	ABBREVIATIONS
	BLKZ	Blanking Pulse for Zoom Encorder
	BM	Balance Modulator
	BQUIET	Bus Out Control Signal
	BUF IN/OUT	Buffer In/Out
	B-Y KB	B-Y Carrier Balance
	B-YO	B-Y Signal Out
C	C A In/Out	Pre-Aperture In/Out
	CAPSTP	Capstan Stop Flag
	C CNT	Colour Control
	C SYNC	Composite Sync Signal
	C/N	Carrier/Noise
	C0-7, C00-07	Chrominance Signal 0-7
	CAGAIN	Aperture Gain Control
	CAM	Camera
	CAM CLK	Camera Clock
	CAM RST	Camera Reset
	CAM SIOC	Camera Serial In/Out Contol
	CAM T	Camera Test
	CAM TL	Capstan Trque Limit
	CAP EC	Capstan Trque Control
	CAP P(H)	Capstan Power On (H)
	CAP R/F/S	Capstan Reverse (H)/Stop (M)/Forward (L)
	CAP SW	Capstan Power Control Switch
	CAPSTP H	Capstan Stop Flag (Stop High)
	CAPVM	Capstan Motor Current
	CAPVS	Capstan Motor Power Control Switch
	CAS	Compresion, Audio Process, Shuffling/Deshuffling
	CAS	Memory Address Strobe (Active Low)
	CASDOWN, DWN	Cassette Down (L)
	CB, CR	Chroma B, Chroma R
	CBLK	Composite Blanking Pulse
	CC	Channel Cording
	CCA	Curent Drive Control
	CCA	Current Control Amp
	CCD	Charge Coupled Devise
	CCW	Counterclockwise
	CD SP0-7	Digital Chroma
	CDS	Correlate Double Sampling Signal
	CDS1, 2	Sampling Pulse for CCD Output Signal
	CE	Chip Enable
	CE	Control Pulse Erase
	CEC	Capstan Error Code
	C-ERA(H)	Control Erase (H)
	CFEM	Chrominance Memory Signal
	CFM	Chrominance Field Memory
	CFM1-4	Chroma Field Memory Signal
	CG CLK	Character Generator Clock
	CG CLK DATA	Clock Generator Data
	CG DATA	Character Generator Data
	CGC	Chrominance Gain Control
	CGCS	Character Generator Chip Select
	CGO	Character Generator Serial Data
	CH	Charge

	INITIAL/LOGO	ABBREVIATIONS
	CH1	Channel 1 (Odd Field)
	CHR	Character
	CHR BACK	Character Back-up
	CHR MIX	Character Mix
	CI, CO	Buffer In/Out
	CI,CO	Buffer Input & Output
	CIF	Control Signal Forward Input
	CIF, CIR	Positive Control Pulse, Negative Control Pulse
	CIR	Control Signal Reverse Input
	CK	Clock
	CL/CLK	Clock
	CLASS	Classeffication Signal for Compress (DCT/VLC)
	CLASS 0.1	Class Control Signal Durring DCT/VLC
	CLK135	13.5MHz System Clock
	CLK18	18MHz System Clock
	CLK2	Clock 2 (824XFH: 12.875MHz)
	CLK246	24.576MHz Clock
	CLK27	27MHz System Clock
	CLK450	450KHz Clock
	CLKDCLK	Digital Clock
	CLK-PH	Clock Phase Control
	CLK-REF	Reference Clock
	CLP-RST-H	Clamp Reset High Signal
	CLX	TFT X-axis Transmission Clock
	CLX, CLX1-4	Shift Clock for X Direction (LCD Panel)
	CLY	Shift Clock for Y Direction (LCD Panel)
	CLY	TFT Y-axis Transmission Clock
	CLY FG	Cylinder FG Signal
	CMEMO0-3	Chroma Memory Output Signal 0-3
	CMIX	Character Mix
	CMO	Chrominance Memory Output
	COMPC	Position Detection Pulse
	COM RDY	Serial Enable Signal
	CMODE	Camera Mode
	CNCLK	Clock
	CNR	Chrominance Noise Reduction
	CNT, CONT	Control
	CO	Control Out
	CO0-7	Chrominance Output 0 to 7 (Digital)
	COM	Common
	COM RDY	Serial Transmission Enable
	COMB	Comb Filter
	COS EQ	Cosin Equalizer
	CP	Clamp Pulse
	CP ON(H)	Camera Power On(H)
	CP2, 20	Clamp Pulse
	CP2A, CP2O	Encoder Clamp Pulse
	CPN	Component Signal
	CPOB	Clamp Pulse for Optical Blanking
	CPS	Composite Signal
	CPV	Gate Scan Clock
	CR OUT	Pre Apature Out
	CR POW SW	Camera Remote Power On Switch
	CRA	Aperture Gain Control

	INITIAL/LOGO	ABBREVIATIONS
	CRA	Pre Apature Gain Control
	CRST	Camera Reset
	CS	Chip Select
	CS 0-7	Chrominance Signal Out 0-7
	CSEL	Clock Phase Select
	CSI 0-7	Chrominance Signal In 0-7
	CTSW	Crosstalk Switch
	CURR	Current
	CW	Clockwise
	CYL EC	Cylinder Motor Trque Control
	CYL PG	Cylinder Motor PG
	CYL VM	Cylinder Motor Current or Power
D	D CLK	Digital Clock
	D MODE	Digital Mode Switch Signal
	D01-03	Zoom 01-03
	DA UV SEL	D/A Convertor U/V Select
	DAC	Digital Analogue Converter
	DAG	Digital Analogue Ground
	DB0-7	Data 0-7
	DB0-7	Microprocessor Data
	DCC	DC Clamp Control
	DCCNT	DC Control
	DCI	Digital Channel Cording IC
	DCLR	Digital Clear
	DCP	Digital Clamp Pulse
	DCS-CLK, DA	CAS & DV I/F Serial Clock
	DC-STP1	DCS Serial Start
	DC-STP2	DCS Serial Stop
	DCT	Discrete Cosine Transform (Compression)
	DCX7	Serial Data
	DEDP 0-3	Playback Data
	DEDR 0-3	Rec Data
	DEMO	Demodulation
	DEMP	A/D Convertor Empahsis Control
	DEMP	De-Emphasis
	DFD 0-7	Encode Data In/Out Between Shaffling Memory
	DFD0-7	Encode Input/Output Signal for Shuffling Memory
	DIBDCK	Bit Clock
	DICLK	Digital Clock
	DIDAT	Serial Data
	DIDAT	Serial Data Durring Digital Audio In
	DIF	Digital Interface
	DILRCK	L/R Clock
	DILRCK	Serial Clock Durring Digital Audio In
	DIMCK	Master Clock
	DIMCK	Mater Clock Durring Digital Audio In
	DIO 1-8	Data In/Out
	DIOS	Data In/Out Select Control Signal
	DIOS	Select Signal for Digital In/Out
	DIS	Digital Image Stabilizer
	DIS R/B	Digital Image Stabilizer Read (H)/Busy (L)
	DIS R/B	DIS IC Rady/Busy
	DIS/KAND	Digital Image Stabilizer/Sensitivity

	INITIAL/LOGO	ABBREVIATIONS
	DISCS	Dis Chip Select
	DISP	Display
	DL	Delay Line
	DOBCK	Audio A/D Convertor Bit Clock
	DOCTL	Data Output Control Signal
	DODAT	Serial Data (to D/A Converter)
	DOLRCK	Audio A/D Converter LR Clock
	DOLRCK	L/R Clock (to D/A Converter)
	DOMCK	Audio A/D Converter Master Clock
	DOMCK	Master Clock (to D/A Converter)
	DQ 1-16	Memory Data
	DRAM CAS	D-RAM Colum Address Strobe
	DRAM OE	D-RAM Out Enable
	DRAM RAS	D-RAM Read Address Strobe
	DREC	AV Delayed REC Start Pulse
	DRK	Dark (LPF Switch for Auto Focus)
	DS1, 2	Double Sampling Pulse
	DSF 0-7	Data In/Out for Shaffling Memory
	DSF 0-7	Input/Output Data to Shuffling Memory (18MHz)
	DSP	Digital Signal Processor
	DSP R/B	DSP IC Rady/Busy
	DSP-48K-H	DSP IC Clock Select
	DSTB	Data Stobe Signal
	DSV	Digital Sum Variation
	DV	Digital Video
	DVB	Digital Video Broadcast
	DVC	Digital Video Cassette
	DVDD	Digital VDD
	DVIO	Digital Video Input Output
	DVSS	Digital Ground
	DX	Shift Data for X Direction (for LCD)
	DY	Shift Data for Y Direction (for LCD)
	DY	TFT Y-axis Shift Data
	DZ	Digital Zoom
E	E Snap	Electric Snap Shot
	E ZM	Electric Zoom
	E2 CS or E2P CS	EEPROM Chip Select
	E2 R/B	EEPROM Rady/Busy
	E2P	EEPROM
	EARP	Earphone
	EC	Torque Control
	ECC	Error Correction Cording
	ECM	Electric Condencer Mic
	ECR	Reference Voltage for Capstan Torque
	EDA	Error Correction, DCI, ATF Servo
	EE CS	EEPROM Chip Select
	EE R/B	EEPROM Read (H)/Busy (L)
	EEPROM	Electric Erasable Programable Read Only Memory
	EIS	Electric Image Stabilizer (DIS)
	EMP	A/D Convertor Emphasis Control
	ENAB	Enable
	ENV	Enverope
	EOB	End of Block

INITIAL/LOGO	ABBREVIATIONS
EQ	Equalizer
EVF	Electric View Finder
EXT DC	External DC (AC Adaptor)
EXT DC(H)	AC Adaptor DC (H)
EXT NOREG	AC Adaptor 6V
EXT S DATA	Serial Data for Edit
EXT SCK	Serial Clock for Edit
EZOOM	Electric Zoom
F	
F ENC	Lens F-Value
FACT MODE	Factry Mode (not used in the service)
FB	Feed Back
FC	Saw Tooth Signal In
FCK	Clock
FCO	Saw Tooth Signal Generator
FENC	Focus Encoder
FEND	Frame End Pulse
FH2B	FH/2 (15.625KHz / 2=7.8125KHz)
FIX OSD	Auto Tracking Off (H)
FLICK	Flicker Output
FM	Field Memory
FM0-7	Field Memory 0-7
FMCO0-3	Field Memory Chrominance Out 0-4
FMDIR	Focus Motor Direction
FMOEM	Field Memory Enable
FMOEO	Field Memory Enable
FMT1-4	Focus Motor Terminal 1-4
FMY00-07	Field Memory Luminance Out 0-7
FMYI0-07	Field Memory Luminance In 0-7
FNO	F Value
FPS	Frame Refference Signal
FR	Capstan Reverse High
FRP	Frame Refference Pulse
FRPSO	Frame Start Pulse
G	G1, G2, G3
GCA	Gain Control AMP
GCNT	Gain Control
G-CNT	AGC Adjustment
GCTRL	Gain Control
GENE	Generator
GF	FG AMP Terminal
GSW	Ground for Switching Power
H	H/M/N
H/N	Hi-Fi / Normal
H1, 2	H. CCD Drive Pulse
HAP	Horizontal Aperture
HASW	Head AMP Switching Pulse
HB	Hall Bias
HBR SET	High Brightness Set
HBRST	High Brightness Set
HCLR	High Clear
HCP	Shift Clock for Horizontal Drive

INITIAL/LOGO	ABBREVIATIONS
HD	Horizontal Drive Pulse
HDTV	High Definition TV
HEX	Hexadecimal
HG	Hall Gain
HID	Head Switching Pulse
HLT	High Bright Signal
HALL IN(+), (–)	Input Signal from Hall IC
HP	Headphone
HPF	High Pass Filter
HSE	Modulated Data Output
HSP	Timing Pulse for Shaffling Memory
HSS	Horizontal Sync Signal
HSW	Head Switching Pulse
HS-WT	High Speed Zoom
HSZ	High Speed Zoom
I	I/F
I-2 C	Inter Integrated Circuit
ID(H)	Wide Television (H)
IMP	Inter Microprocessor Protocol
INF	CCD Input Signal 1
INF	Input Frame Signal
INS	CCD Input SIgnal 2
INTER	Interval Recording
INV	Inverter
IOU	R-Y Analogue Signal Output
IOV	B-Y Analogue Signal Output
IOY	Y Analogue Signal Output
IR	Infrared Rays
IRDET	Imfrared Ray Detection
IREF	Current Adjustment Terminal
IRIS/SH	Iris / Shutter Control
IRQ	Interrupt Request
ITI	Insert & Track Information
J	JPEG
K	KANDO
KB	Carrier Balance
KEY IN	Key Scan
KND	Digital Gain Up
KNEE	Luminance Compensate
L	LCD
LCD P(L)	LCD Power On (L)
LD	Load Pulse
LDD	Liquid Direct Drive
LEDCNT	LED Control
LI-BATT	Lithium Battery
LOAD	Loading
LOAD F, R	Loading Direction (F: Forward / R: Reverse)
LPF	Low Pass Filter
LRMONO	Monoral Audio (L + R)
LSB	Least Significant Bit

	INITIAL/LOGO	ABBREVIATIONS
	LVL	LPF Switch for Auto Focus
M	M1-3	Motor Coil Terminal 1 to 3
	MA0-5	Microprocessor Address Data 0-5
	Mbps	Megahertz Bit Per Second
	MD	Modulation
	MD0-7	Microprocessor Data 0-7
	MDT0-7	Microprocessor Data 0-7
	ME (TAPE)	Metal Evaporated (Tape)
	MENB	Focus Motor Enable
	MFF	Manual Focus Far
	MFN	Manual Focus Near
	MHSYNC	Monitor Horizontal Sync Signal
	MIC	Memory In Cassette
	MIG	Meta In Gap
	MIX N.R.D.	Non Rec Data Mix
	MOD	Modulation
	MOUT	Mic Out
	MP (TAPE)	Metal Particle (Tape)
	MPEG	Moving Picture Image Cording Experts Group
	MPEG2	Moving Picture Image Cording Experts Group Phase 2
	MRST	Focus Motor Reset
	MSB	Most Signal Bit
	MVSYNC	Monitor Vertical Sync Signal
N	N/F	Near/Far Focus
	N/P	NTSC/PAL
	NB1-3	Base for NPN Transistor
	NC	No Connection
	NC1-3	Corrector of NPN Transistor
	NCLR	Power On Reset
	NCP1	Clamp Pulse
	NCP2+VDH	Clamp Pulse + Horizontal Drive Pulse
	NCP2+VDM	Clamp Pulse + Gate Pulse
	NDE	Non Liner De-Emphasis
	NE	Emitor of NPN Transistor
	NLE	Non Liner Emphasis
	NR	Noise Reduction
	NRD	Non Rec Data
	NRD BLK	Non Rec Data Blanking
	NRD CLK	No Rec Data Clock
	NRE	Read Enable Input (Low Active)
	NWE	Write Enable (Low Active)
O	OB	Optical Black
	OBCNT	Optical Black Control
	OBREF	Reference Voltage for Optical Black Control
	OE	Output Enable
	OFH	Horizontal Counted Down Clock Signal (Reference)
	OFS	Offset
	OP	Operation AMP Output
	OSD	ON Screen Display
	OVL	Overlap Pulse
	OZ	Optical Zoom

	INITIAL/LOGO	ABBREVIATIONS
P	P SW	Power Switch
	PB1-3	PNP Base 1-3
	PBCTL	Play Back Control
	PBCTL	Pre-Branking Control
	PBH	Head Amp Switch
	PBLK	Pre-Blanking (Pulse)
	PC1-3	Corrector of PNP Transistor
	PCBM	Carrier Balance
	PCH	Phase Compensator (Hall AMP)
	PCI	Phase Compensator (Current)
	PCO	Phase Compensator Out
	PCS	Switching Power Control
	PCV	Phase Compensator (Voltage)
	PE	Emitter of PNP Transistor
	PED	Pedestal
	PEDECNT	Pedestal Control
	PENO	Alarm (L)
	PFP	Pilot Frame Position
	PGA, B	Power Ground A, B
	PGC	Pulse Generator Comparator
	PGI	Pulse Generator Input
	PGMM	Pulse Generator Monostable Multivibrator
	PGO	Output of Pulse Generator AMP
	PMODE	Select Signal for Normal / Wide Screen
	PON	Power On
	POR	Power On Reset
	POSCOM	Common Position
	PREAMP	Pre-AMP
	PREBLK	Pre-Blanking
	PT	Protect for V Voltage
	PWM	Pulse Width Modulation
	PWMB	Pulse Width Modulation Pulse
Q	Q2H	Source Output Select
R	R CTL P	Recorded Control Pulse (+)
	R CTL R	Recorded Control Pulse (–)
	R/B	Read/Busy
	R/L	Direction Control for Data Transmition
	RA	Recording AMP
	RA1	Rec AMP 1
	RAC AC	Rec Audio Current
	RAD	Read Address Data
	RAE	Read Address Enable
	RB	Read Busy
	R-B	R Bias
	RCB	R Carrier Balance
	RE	Read Enable
	RE(F), (S)	Rotary Erase Head Transformer
	REB	R Bias
	REC CC	Rec Current Control
	REC CCNT	Rec Current Control
	RECCTRL	Recording Control Pulse
	RECI	Rec Amp Switch

	INITIAL/LOGO	ABBREVIATIONS
	RENCF	Lens Control (Forward)
	RENCR	Lens Control (Reverse)
	RERASE	Rotary Erase Head
	RGBIV1-2	1V Inverted Signal 1-2
	RGO R/G OFF	Offset Voltage for AWT R
	RSF	Capstan Direction (Reverse / Stop / Forward)
	RST	Reset
	RSTB	R Strobe
	RSTPWD	Reset Power Down Input
	RSTR	Reset Read
	RSTW	Reset Write
	RT	Saw Tooth Terminal
	RVCO	Resister for Oscillation
	RW	Read Write
	RWAE	Read Write Enable
S	S PHOT	Supply Photo Transistor
	S/H	Sampling Hold
	S/S	Start/Stop
	SBD	Serial Data
	SBI	Serial Data Input
	SBO	Serial Data Output
	SBT	Serial Clock
	SCAN0-5	Key Scan 0-5
	SCK	Serial Clock
	SCR	Search
	SCR, S.C.R.	Still Cue Review
	SEG.	Segment
	SET	White Balance Set
	SH/IRIS	Shutter/Iris Control
	SHIFT	Capasitor for Phase Shift
	SI	Serial Data Input
	SIC	Shift In Clock Input
	SIOC	Serial In/Out Control
	SMCE	Shaffling Memory Chip Enable
	SMRS	Shaffling Memory Read Strobe
	SMWE	Shaffling Memory Write Enable
	SMWS	Shaffling Memory Read Strobe
	SNAP	Snap Shot
	SNS LED	Sensor LED
	SO	Serial Data Output
	SPA	ATF Smapling Pulse
	SPEN	8 Bit Shift Register Enable
	SPK	Speaker
	SPO	Reset for Switcing Power
	SPST	8 Bit Shift Register Strobe
	SREELP	Supply Reel Pulse
	SRT	Start
	SSA	Start Sync block Area
	SSW	Select Signal for Low Pass Filter
	ST5V	Safety Tab 5V
	STAB	Safety Tab Switch
	STB	Stand by Signal
	STB	Strobe

	INITIAL/LOGO	ABBREVIATIONS
	SWB	Switching Pre-Drive Pulse
	SYL EC	Cylinder Torque Control
	SYL FG	Cylinder FG
T	T PHOT	Take-up Photo Transistor
	TBC	Time Base Conntrol
	TFT	Thim Film Transistor
	TH	Thermostat for Battery
	TI	Test Mode Select
	TL	Torque Limit
	TM	Sub Code
	TMD	Sub Code Data
	TRE	Tracking Error Signal
	TREEL(P)	Take-up Reel (Pulse)
	TRFIX	Tracking Fix
	TRIWAVE	Tracking Wave
	TRP	Tracking Position
	TRP	Trap
	TSR	Head Switching Refference
	TST	Time Scale Transfer
U	U/V SEL	R-Y/B-Y Select Signal
	UNLOAD	Un-Loading
	UNRE	Microprocessor Read Enable
	UNWE	Microprocessor Write Enable
	UV	R-Y/B-Y
	UV SEL	R-Y/B-Y Select Signal
V	V1-V4	V. CCD Drive Pulse
	VB	VH Filter Switching
	VCE	Power Terminal
	VCNTL	Video Control
	VCO	Voltage Control Oscillator
	VCP	Shift Clock Output for Vertical Drive
	VCTLD	Video Control
	VCTRL	Voltage Charge Control
	VD	Vertical Drive Pulse
	VDDX	X Drive Power for Colour LCD
	VDDXY	XY Drive Power for Colour LCD
	VDDY	Y Drive Power for Colour LCD
	VDREC	Video Delayed Rec
	Vgg	Voltage for Gate IC
	Vgl	Gate off Voltage
	VID	Video Signal Out
	VIN	Video In
	VITC	Vertical Interval Time Code
	VITERBI	One of Signal Detection Method
	VL	Low Voltage
	VLC	Variable Length Cording
	VLOCKP	Artificial Sync Pulse
	VLP	Artificial Sync Pulse
	VM	Motor Voltage
	VMD	Velocity Mode Data
	VMD1-3	Electric Shutter Mode

	INITIAL/LOGO	ABBREVIATIONS		INITIAL/LOGO	ABBREVIATIONS
	VMODE	NTSC/PAL Select Switch			
	VMVH	VH Filter Switching			
	VORP	Video Overlap			
	VRB	Voltage Refference Bottom			
	VRBS	Voltage Refference Bottom Output			
	VREF1R3V	Refference Voltage 1.3V			
	VREF3R3V	Refference Voltage 3.3V			
	VREFH	Refference Voltage High Side			
	VREFL	Refference Voltage Low Side			
	VRI	Refference Voltage Input			
	VRO	Refference Voltage Output			
	VRT	Voltage Refference Top			
	VRTS	Voltage Refference Top Output			
	VS	Switching Comparator			
	VSS	Vertical Sync Signal			
	VSSX	X Driver Power for Colour LCD			
	VSSXY	X-Y Driver Power for Colour LCD			
W	W/N	Mode Select for Window Mode			
	W/N	Wide / Normal			
	WAD	Write Address Enable			
	WAE	Write Address Enable			
	WAERAE	Write Address Enable			
	WARI	Interrupt			
	WB	White Balance			
	WE	Write Enable			
	WEM	Memory Write Enable			
	WHD	Wide Horizontal Drive Pulse			
	WIDE A	Wide Zoom			
	WSB	B AGC Control			
	WSR	R AGC Control			
	WTV	Wide TV			
X	XP	FG Logic Reset			
Y	Y FM0-7	Y Field Memory 0-7			
	YCE	Cylinder Error Code			
	YGC	Y Gain Control			
	YMO 0-7	Y Field Memory 0-7			
	YNCST	Noize Canceller			
	YNR	Luminance Noise Reduction			
	YSDP 0-7	Digital Y Out 0-7			
Z	Z.ENC	Zoom Encoder			
	Z.MIC	Zoom Mic			
	ZENC	Zoom Encoder Output			
	ZMDIR	Zoom Drive			
	ZMEN	Zoom Enable			
	ZMT	Zoom Motor Tele Side			
	ZMT (+)/(–)	Zoom Motor (+)/(–)			
	ZMTER	Zoom Motor Tele Side			
	ZMW	Zoom Motor Wide Side			
	ZSW	Zoom Switch			

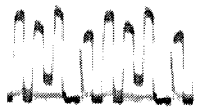
10 WAVEFORM TABLE

(NV-MX8)

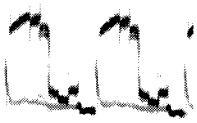
IC901-30 REC/PLAY
9.0Vp-p (20usec.div.)

IC901-33 REC/PLAY
9.0Vp-p (20usec.div.)

IC901-35 REC/PLAY
9.0Vp-p (20usec.div.)



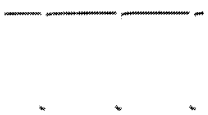
IC901-42 REC/PLAY
0.5Vp-p (20usec.div.)



IC901-43 REC/PLAY
0.5Vp-p (20usec.div.)

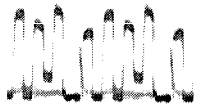
IC901-44 REC/PLAY
0.6Vp-p (20usec.div.)

IC901-46 REC/PLAY
3.0Vp-p (20usec.div.)



IC901-47 REC/PLAY
2.7Vp-p (20usec.div.)

(NV-MX2)



IC901-1 REC/PLAY
0.5Vp-p (20usec.div.)

IC901-4 REC/PLAY
4.0Vp-p (20usec.div.)

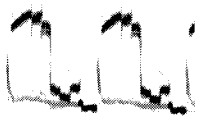
IC901-6 REC/PLAY
3.6Vp-p (20usec.div.)

IC901-8 REC/PLAY
3.6Vp-p (20usec.div.)

IC901-45 REC/PLAY
2.8Vp-p (5msec.div.)

IC901-46 REC/PLAY
2.8Vp-p (5msec.div.)

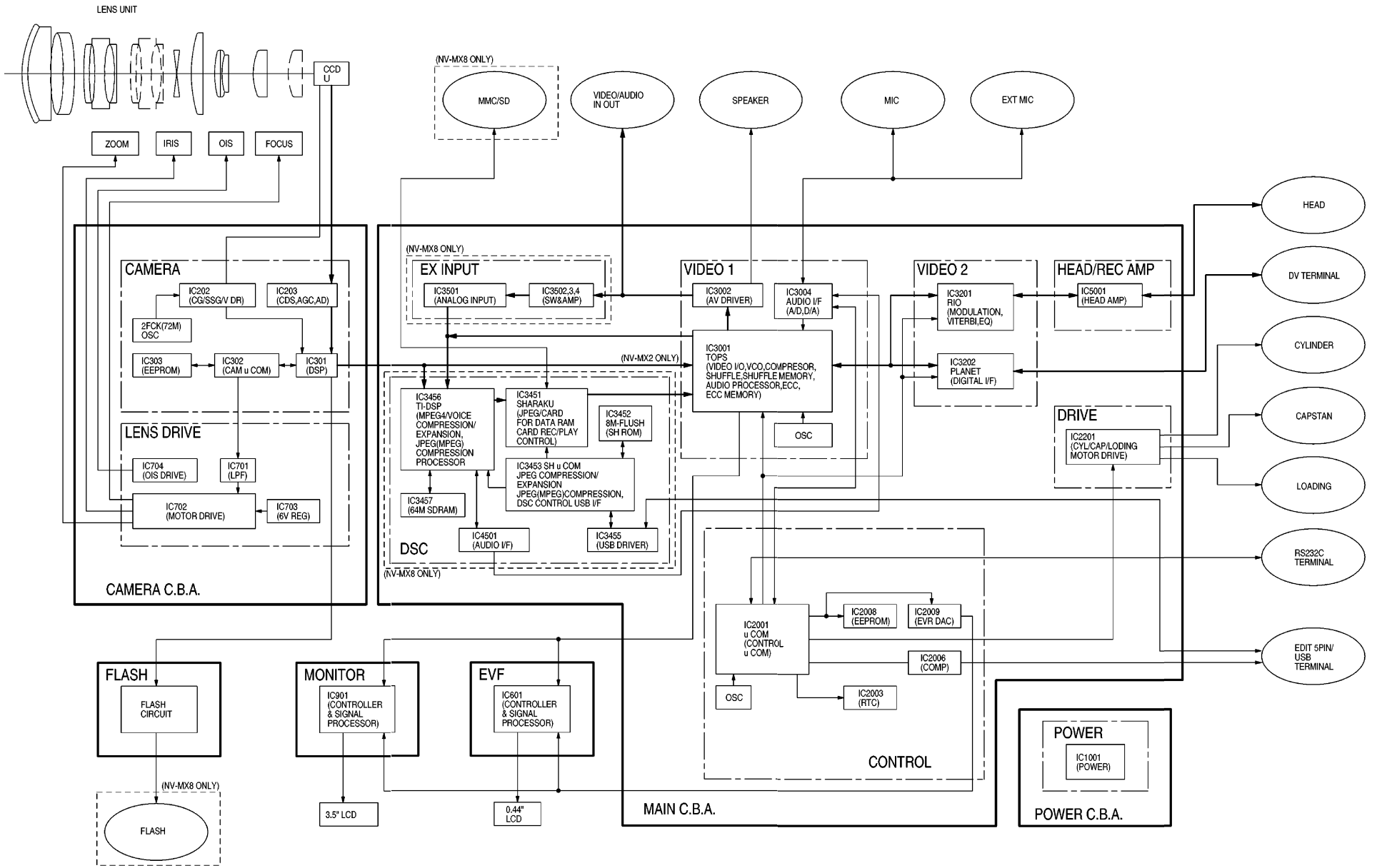
IC901-47 REC/PLAY
0.6Vp-p (20usec.div.)



IC901-48 REC/PLAY
0.5Vp-p (20usec.div.)

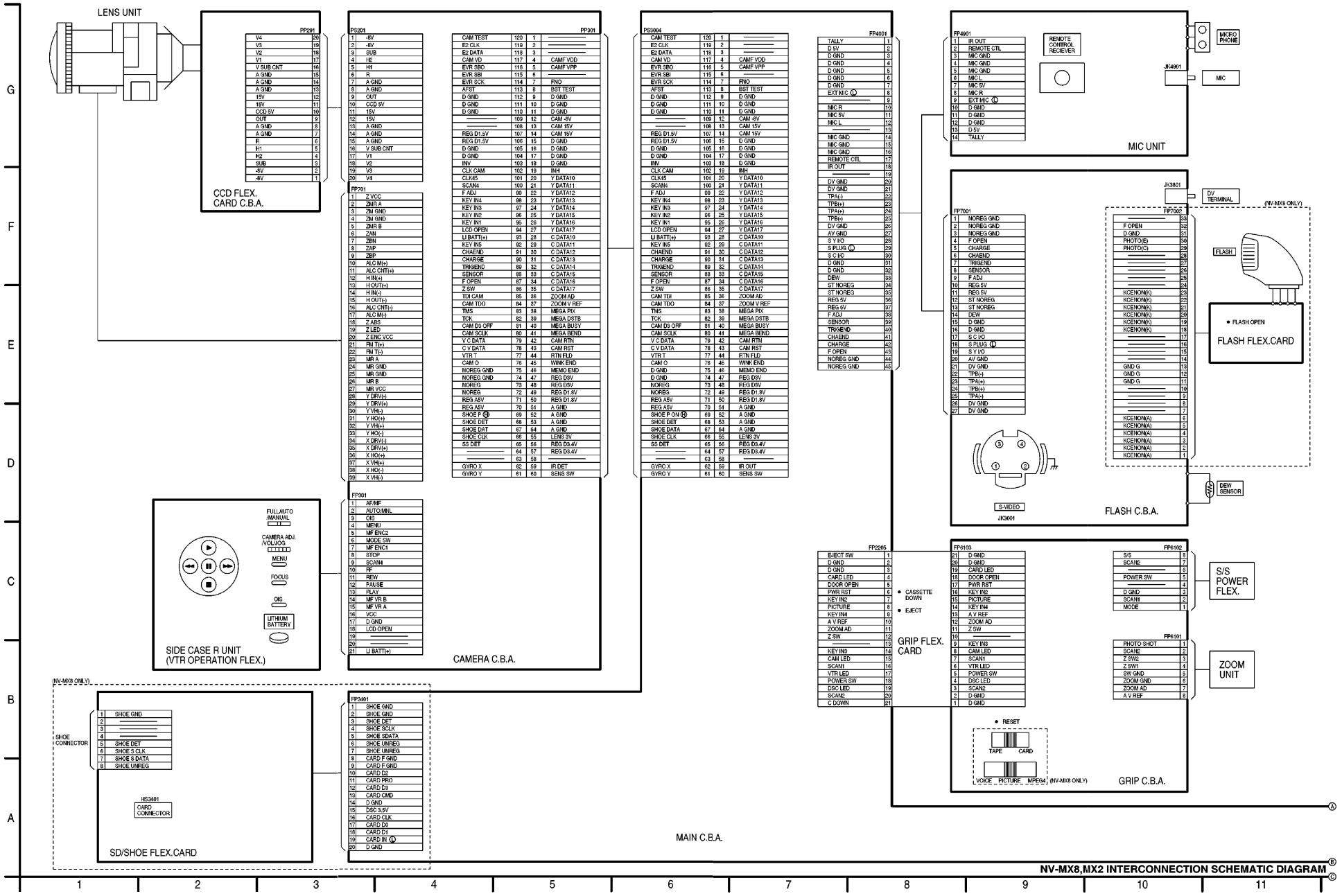
11 SCHEMATIC DIAGRAMS

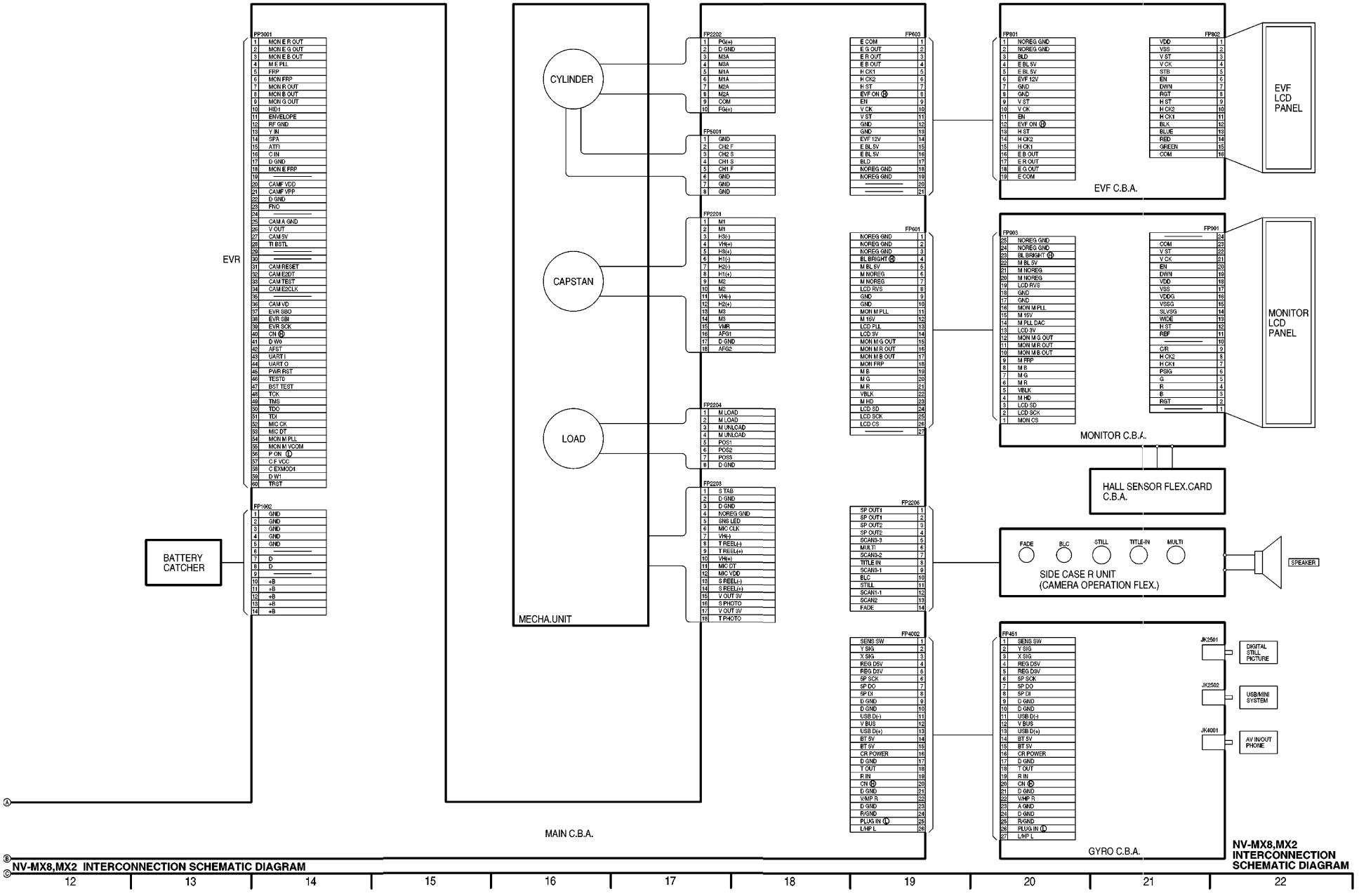
11.1. OVERALL SCHEMATIC DIAGRAM



NV-MX8,MX2
OVERALL SCHEMATIC DIAGRAM

11.2. INTERCONNECTION SCHEMATIC DIAGRAM




EVR
BATTERY CATCHER
CYLINDER
CAPSTAN
LOAD
MECHA.UNIT
MAIN C.B.A.
EVF LCD PANEL
EVF C.B.A.
MONITOR LCD PANEL
MONITOR C.B.A.
HALL SENSOR FLEX.CARD C.B.A.
FADE
BLC
STILL
TITLE-IN
MULTI
SPEAKER
SIDE CASE R UNIT
(CAMERA OPERATION FLEX.)
DIGITAL STILL PICTURE
USB/MINI SYSTEM
AV IN/OUT PHONE
GYRO C.B.A.
NV-MX8,MX2 INTERCONNECTION SCHEMATIC DIAGRAM
NV-MX8,MX2 INTERCONNECTION SCHEMATIC DIAGRAM
12
13
14
15
16
17
18
19
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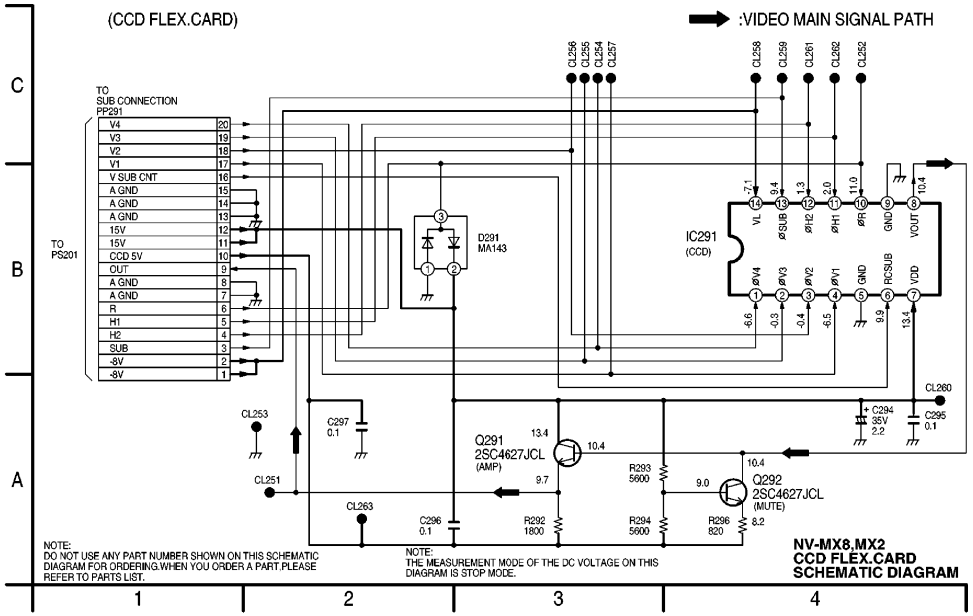
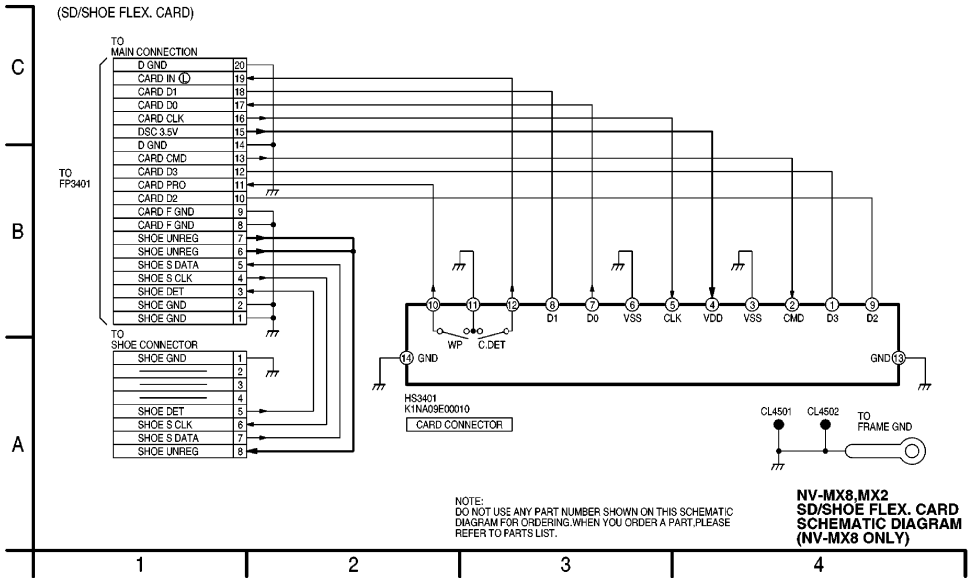
21
22

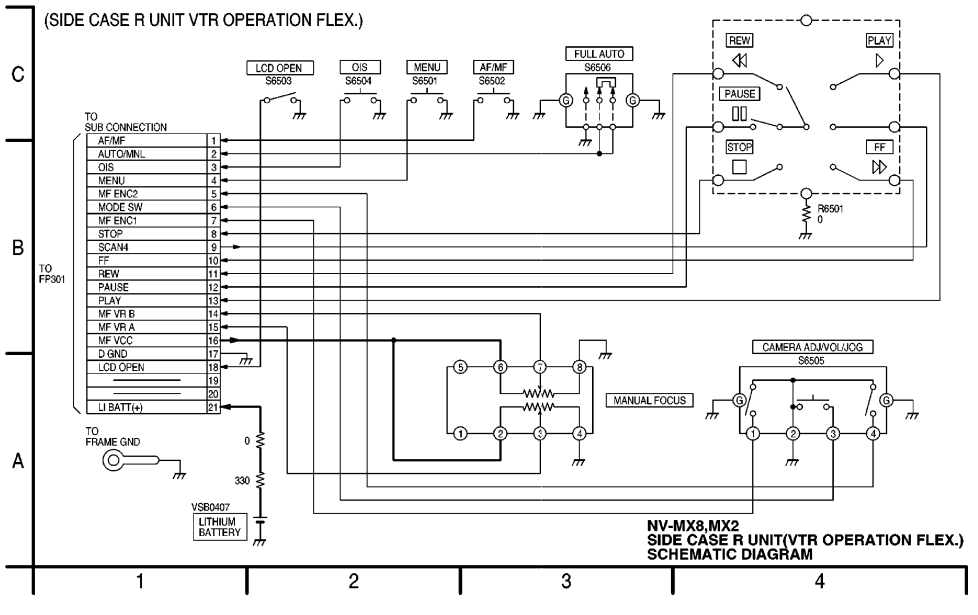
11.3. CCD FLEX. CARD SCHEMATIC DIAGRAM



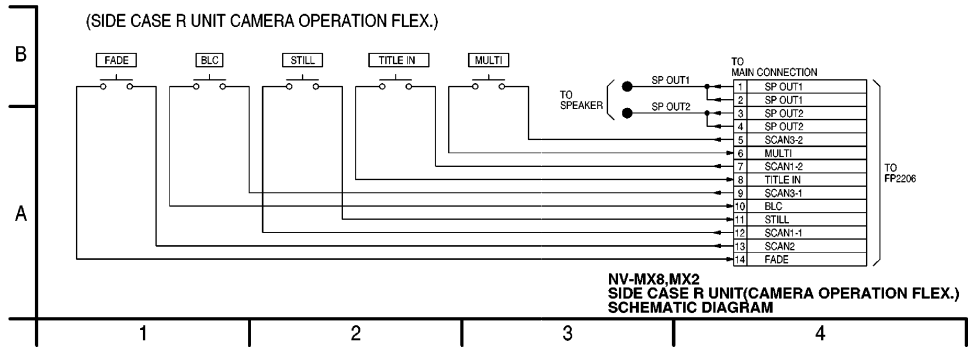
11.4. SD/SHOE FLEX. CARD SCHEMATIC DIAGRAM



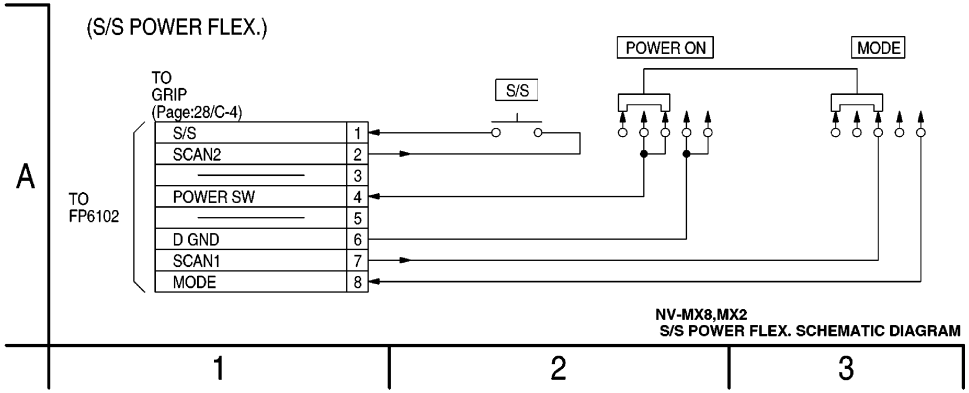
11.5. SIDE CASE R UNIT (VTR OPERATION FLEX.) SCHEMATIC DIAGRAM



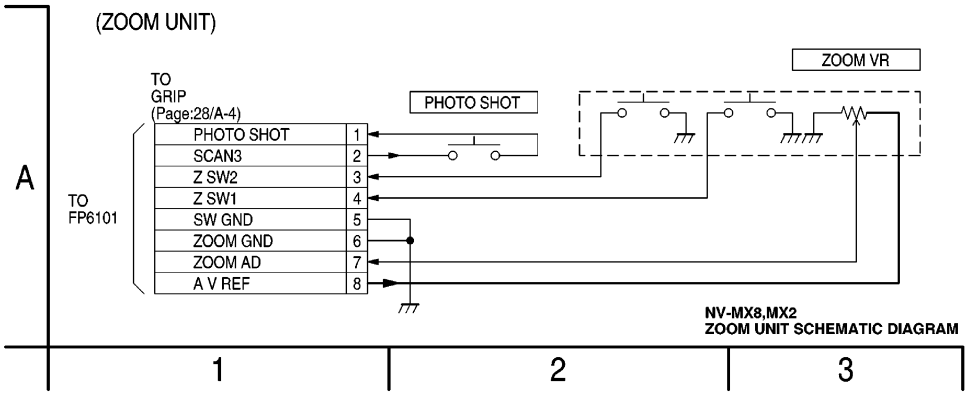
11.6. SIDE CASE R UNIT (CAMERA OPERATION FLEX.) SCHEMATIC DIAGRAM



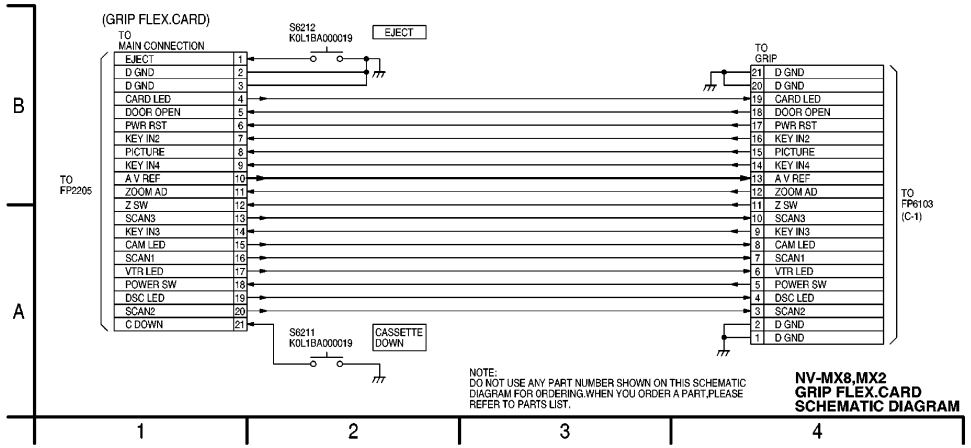
11.7. S/S POWER FLEX. SCHEMATIC DIAGRAM



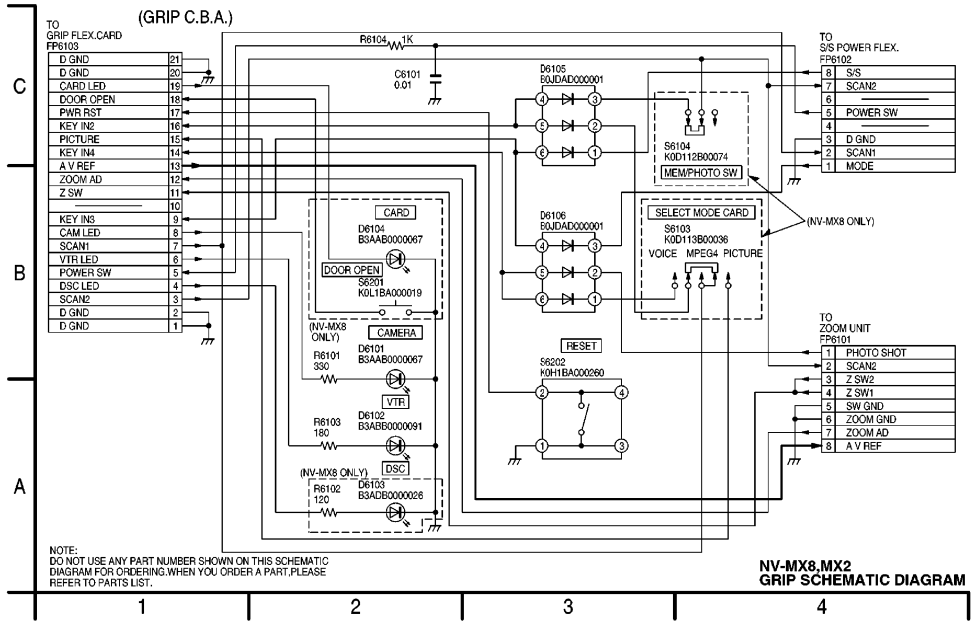
11.8. ZOOM UNIT SCHEMATIC DIAGRAM



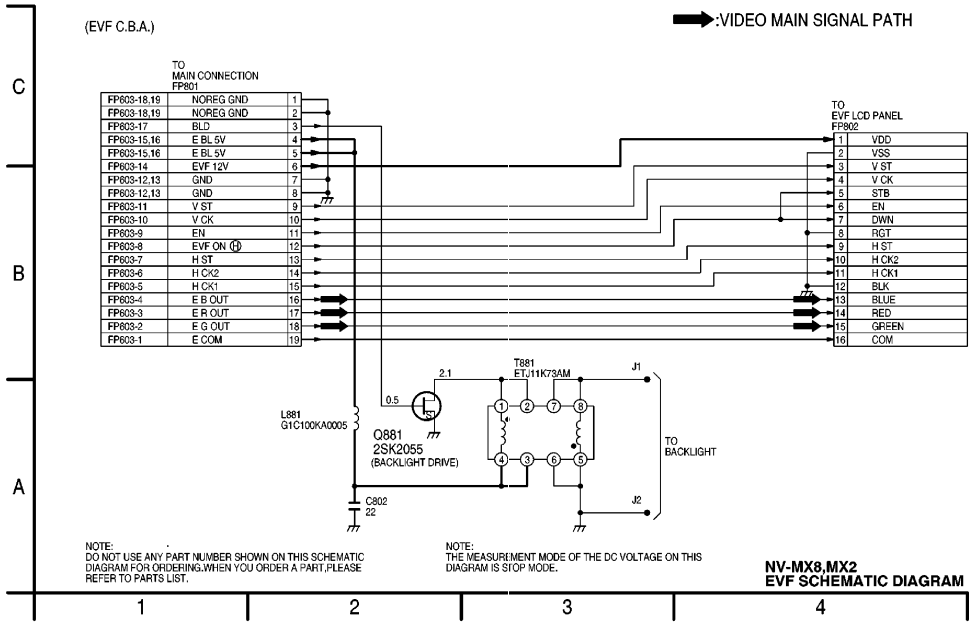
11.9. GRIP FLEX. CARD SCHEMATIC DIAGRAM



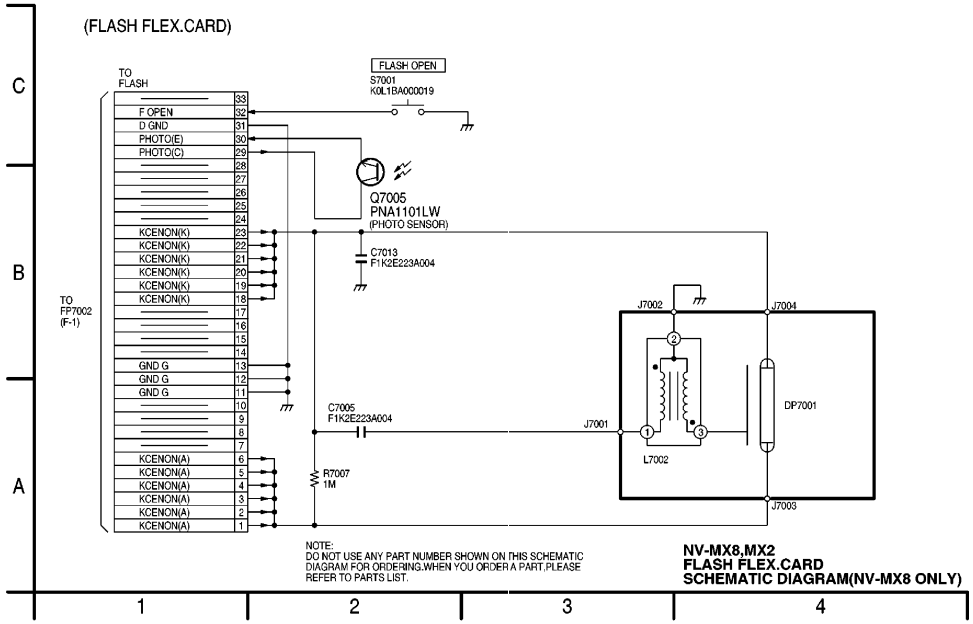
11.10. GRIP SCHEMATIC DIAGRAM



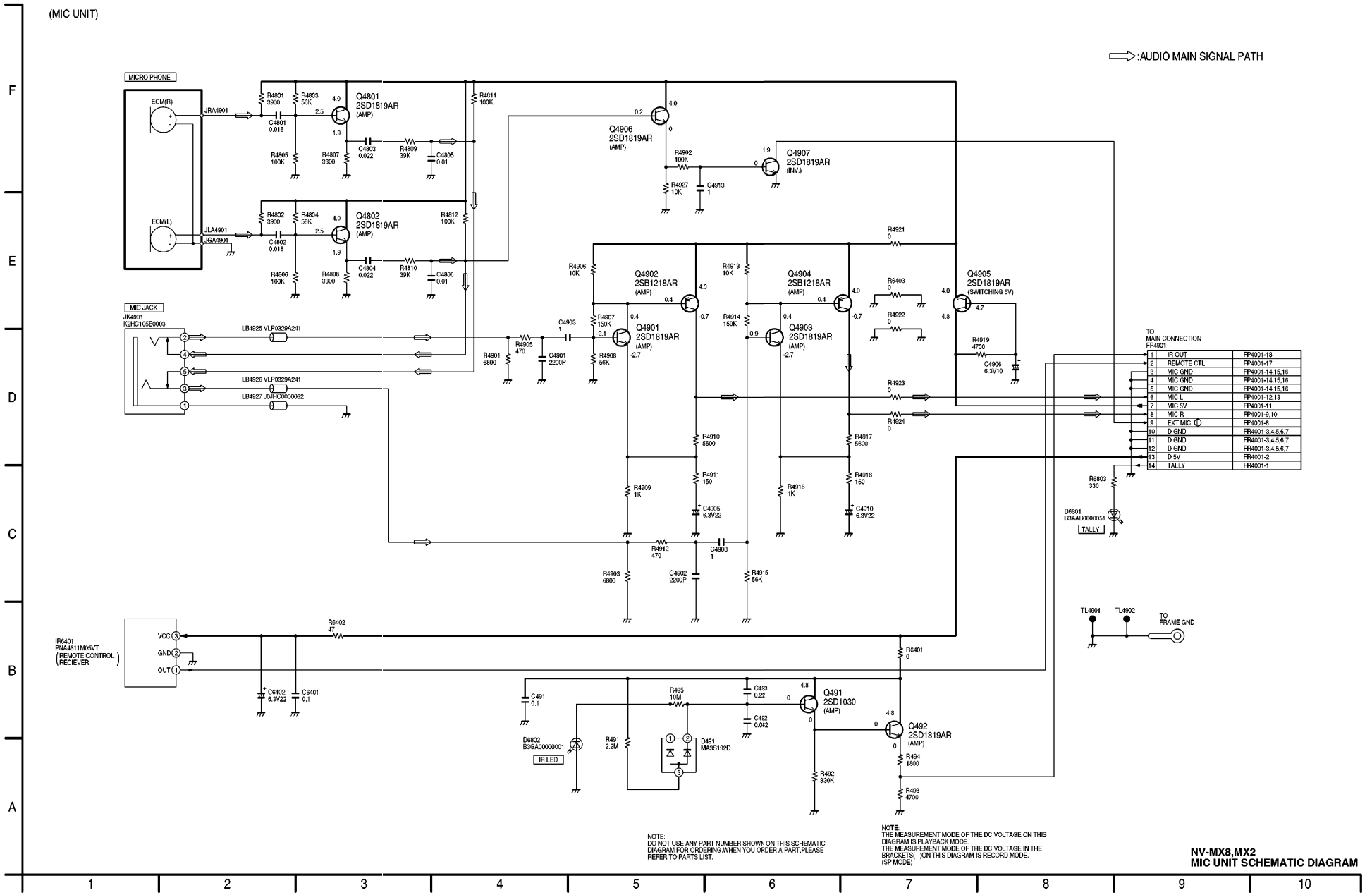
11.11. EVF SCHEMATIC DIAGRAM



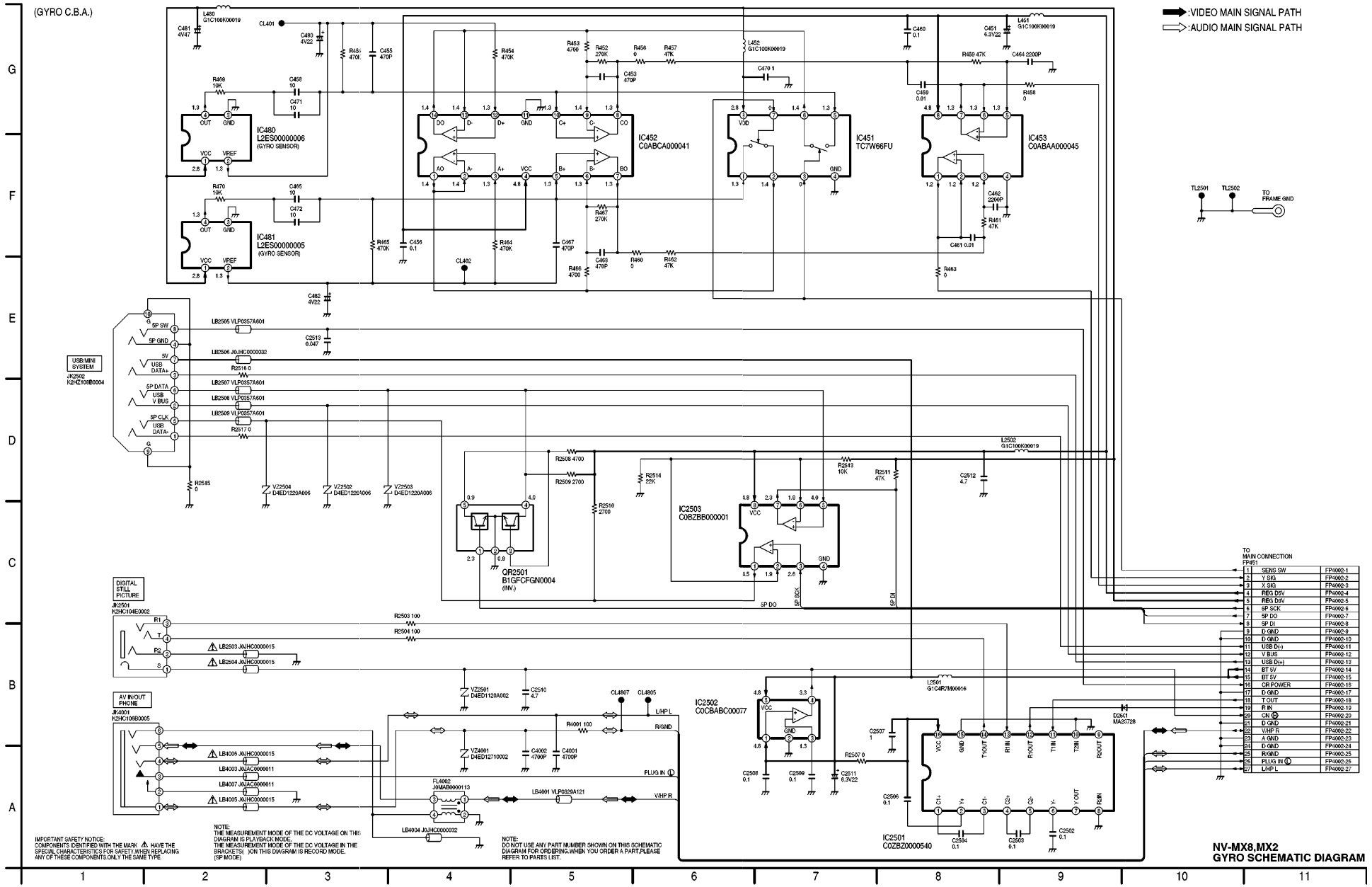
11.12. FLASH FLEX. SCHEMATIC DIAGRAM



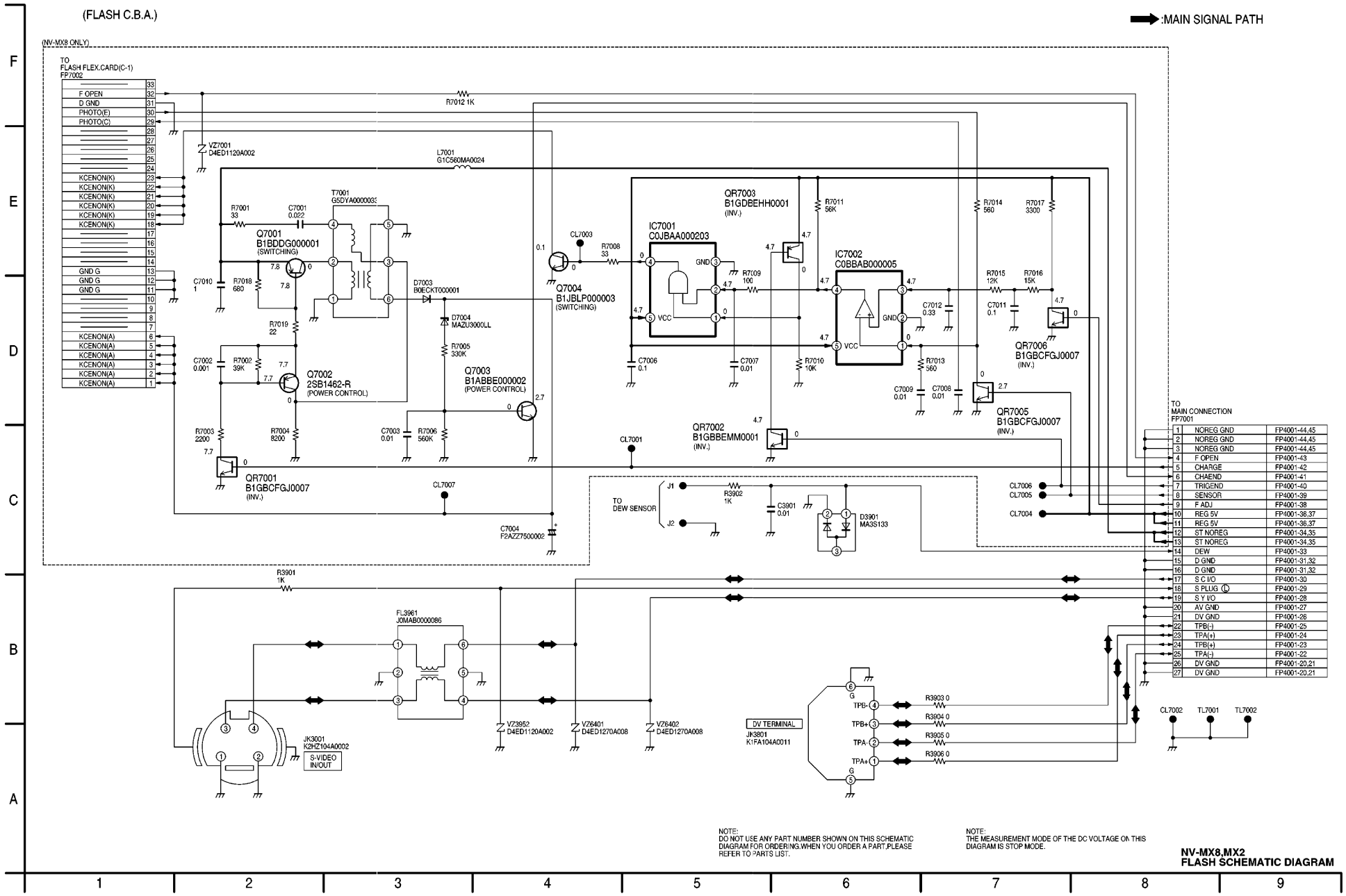
11.13. MIC UNIT SCHEMATIC DIAGRAM



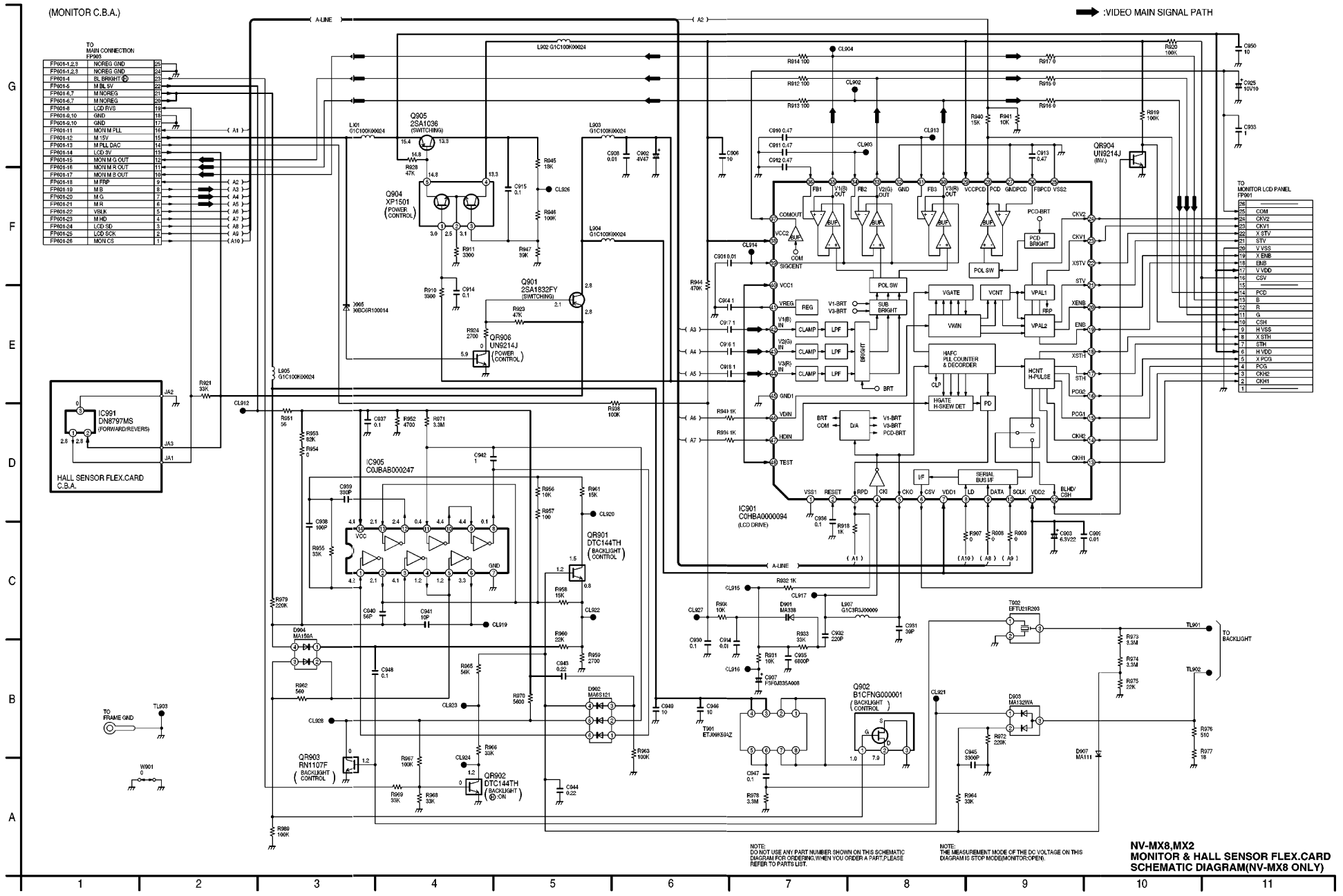
11.14. GYRO SCHEMATIC DIAGRAM



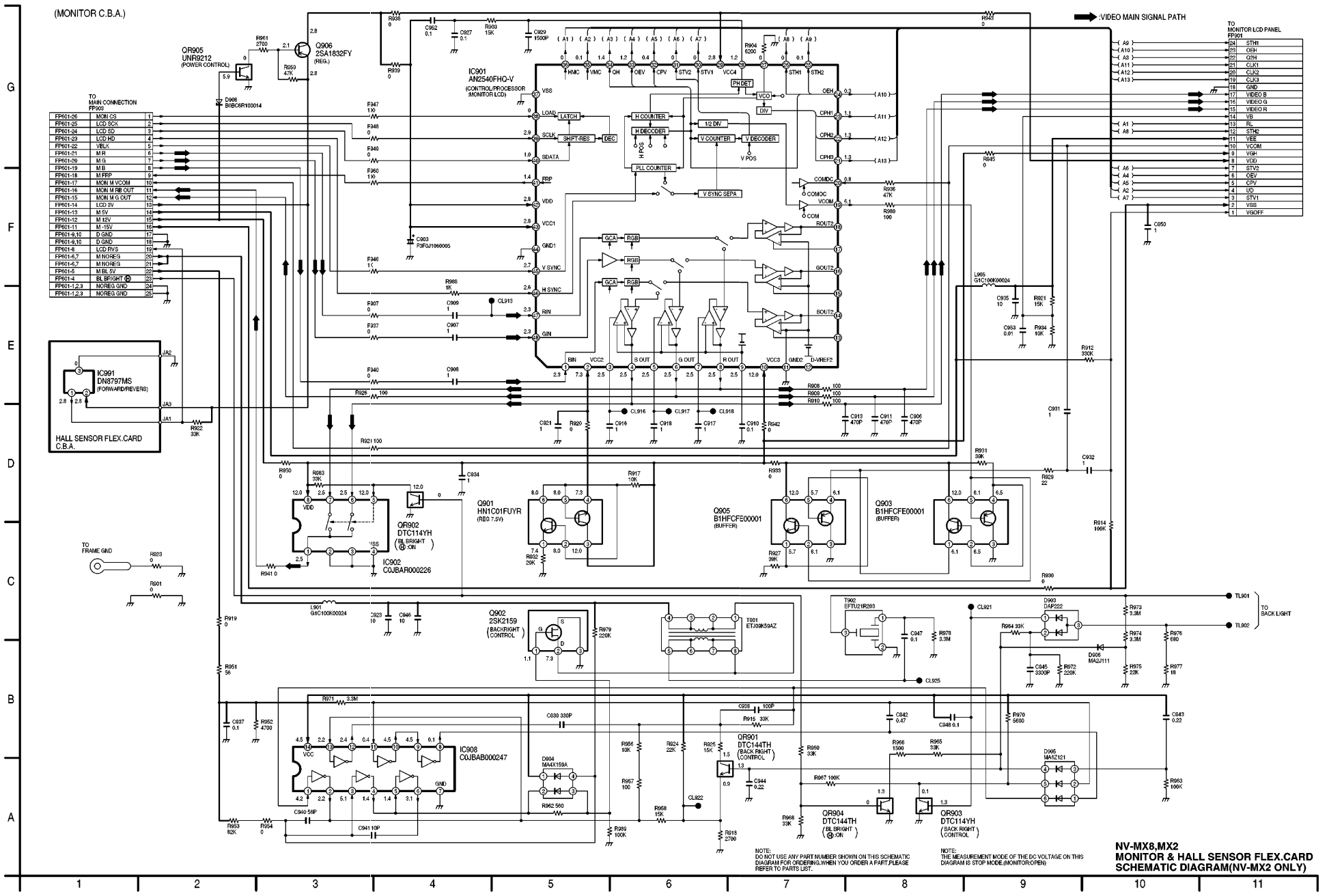
11.15. FLASH SCHEMATIC DIAGRAM



11.16. MONITOR & HALL SENSOR FLEX. CARD SCHEMATIC DIAGRAM (NV-MX8 ONLY)


(MONITOR C.B.A.)
:VIDEO MAIN SIGNAL PATH
TO MAIN CONNECTION FP903
FP903-1,2,3 NOREG GND 25
FP903-1,2,3 NOREG GND 24
FP903-4 BL BRIGHT 23
FP903-5 M BL 5V 22
FP903-6,7 M NOREG 21
FP903-6,7 M NOREG 20
FP903-8 LCD RVS 19
FP903-9,10 GND 18
FP903-9,10 GND 17
FP903-11 MON M PLL 16
FP903-12 M 15V 15
FP903-13 M PLL DAC 14
FP903-14 LCD 3V 13
FP903-15 MON M G OUT 12
FP903-16 MON M R OUT 11
FP903-17 MON M B OUT 10
FP903-18 M FRP 9
FP903-19 M B 8
FP903-20 M G 7
FP903-21 M R 6
FP903-22 VBLK 5
FP903-23 M HD 4
FP903-24 LCD SD 3
FP903-25 LCD SCK 2
FP903-26 MON CS 1
TO MONITOR LCD PANEL FP901
IC901 DN8797MS (FORWARD/REVERS)
HALL SENSOR FLEX.CARD C.B.A.
IC905 C0JBAB000247
IC901 C0HBA0000094 (LCD DRIVE)
Q905 2SA1036 (SWITCHING)
Q904 XP1501 (POWER CONTROL)
Q901 2SA1832FY (SWITCHING)
QR906 UNS214J (POWER CONTROL)
QR904 UN9214J (INV.)
QR901 DTC144TH (BACKLIGHT CONTROL)
QR903 RN1107F (BACKLIGHT CONTROL)
QR902 DTC144TH (BACKLIGHT ON)
Q902 B1CFNG000001 (BACKLIGHT CONTROL)
T901 ET.J09K594Z
T902 EFTUC1R203
TO FRAME GND
TO BACKLIGHT
A-LINE
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE(MONITOR:OPEN).
NV-MX8,MX2 MONITOR & HALL SENSOR FLEX.CARD SCHEMATIC DIAGRAM(NV-MX8 ONLY)

11.17. MONITOR & HALL SENSOR FLEX. CARD SCHEMATIC DIAGRAM (NV-MX2 ONLY)

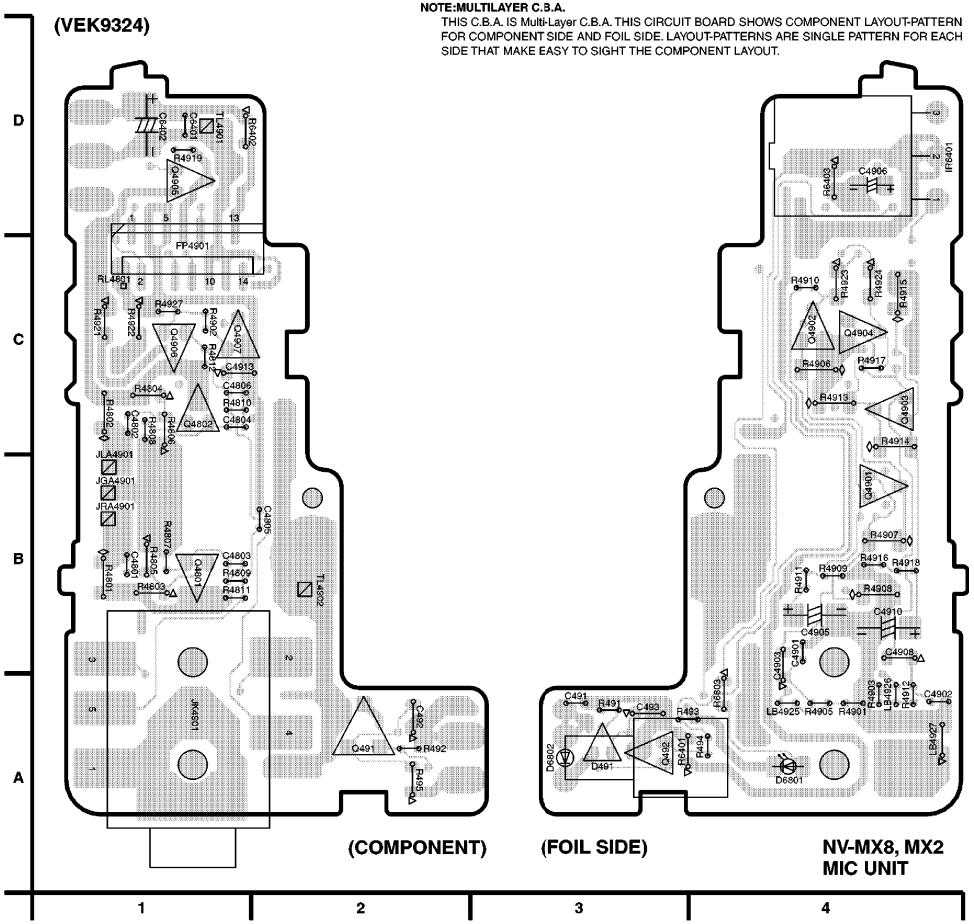


12 CIRCUIT BOARD ASSEMBLIES

12.1. MIC UNIT

(VEK9324)

NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



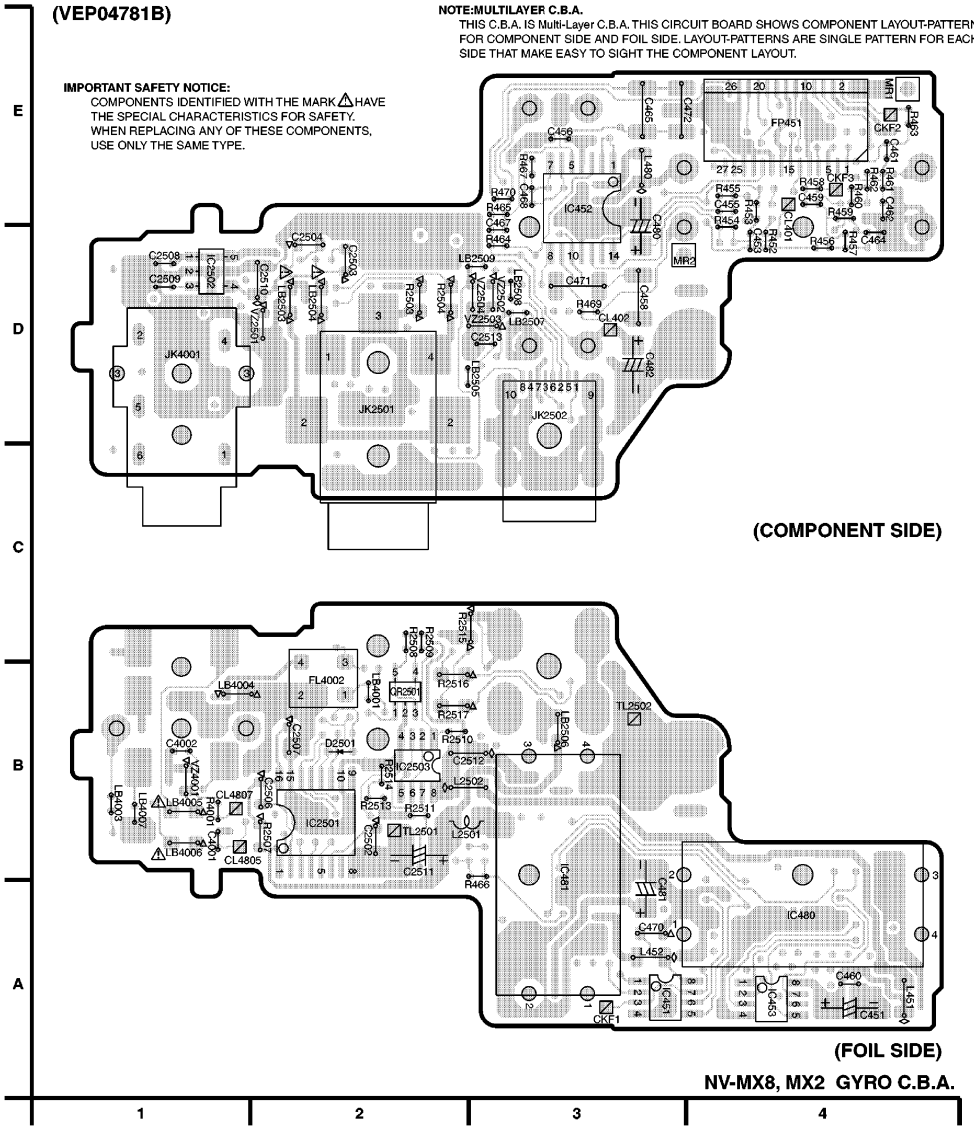
NV-MX8, MX2
MIC UNIT

12.2. GYRO C.B.A.

(VEP04781B)

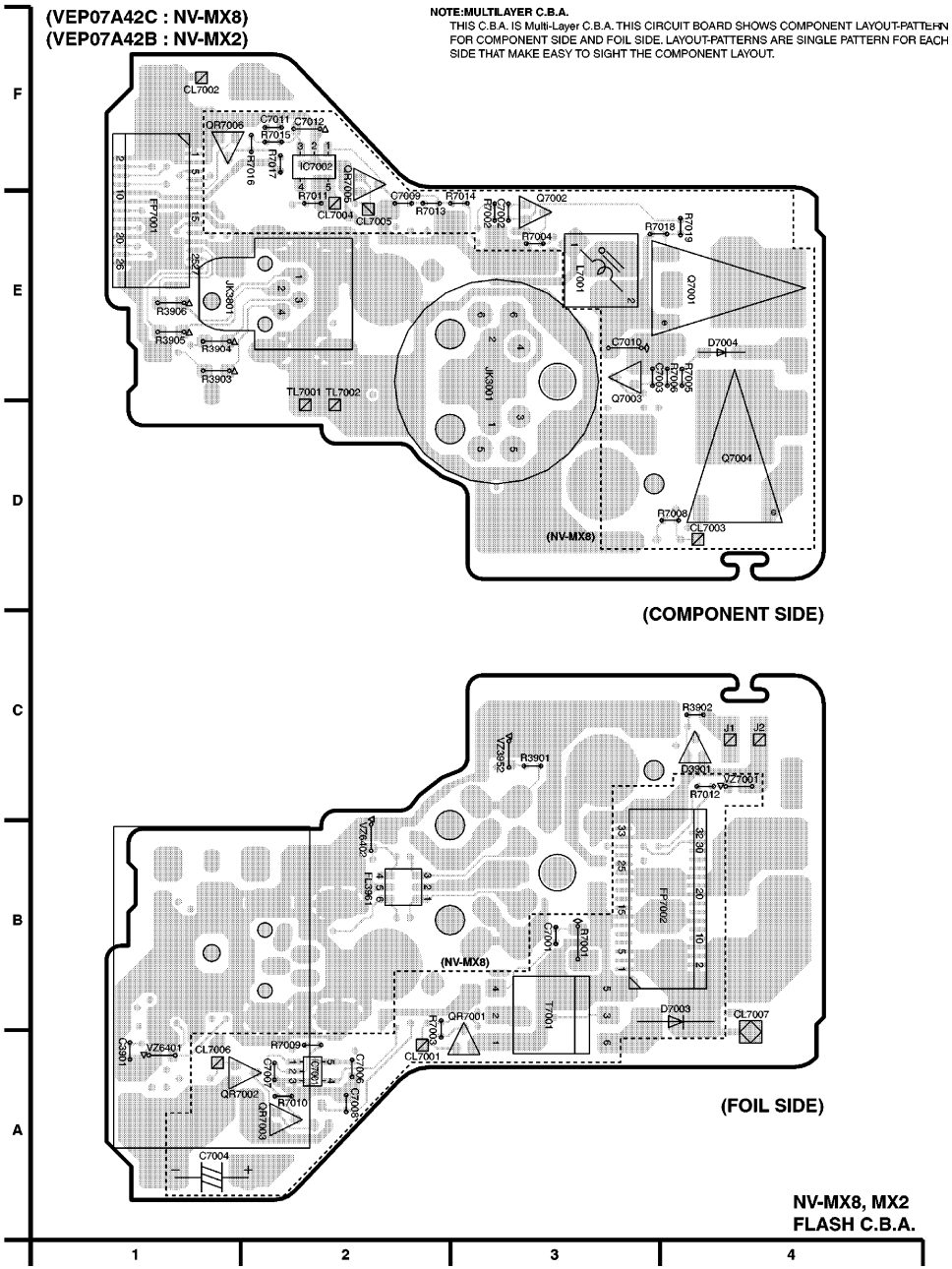
NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

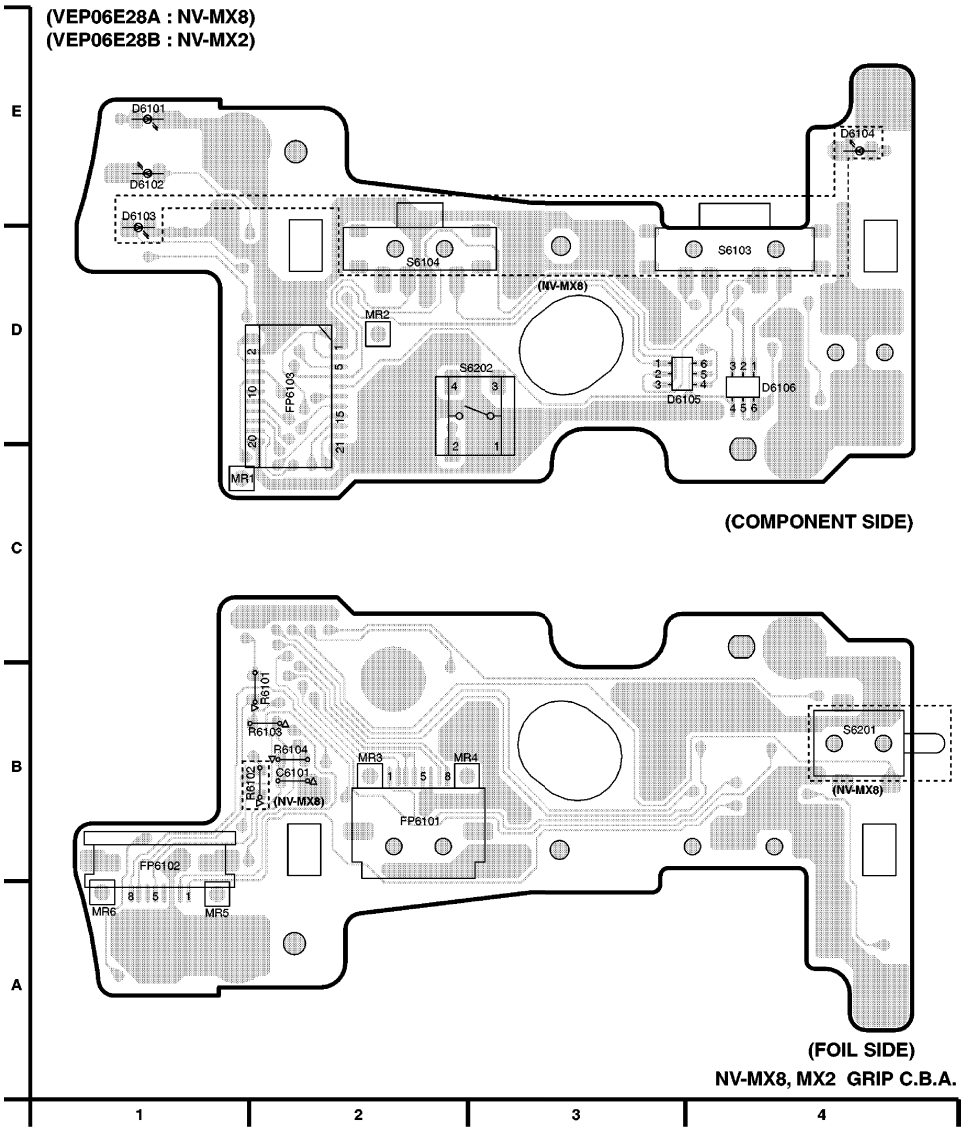


NV-MX8, MX2 GYRO C.B.A.

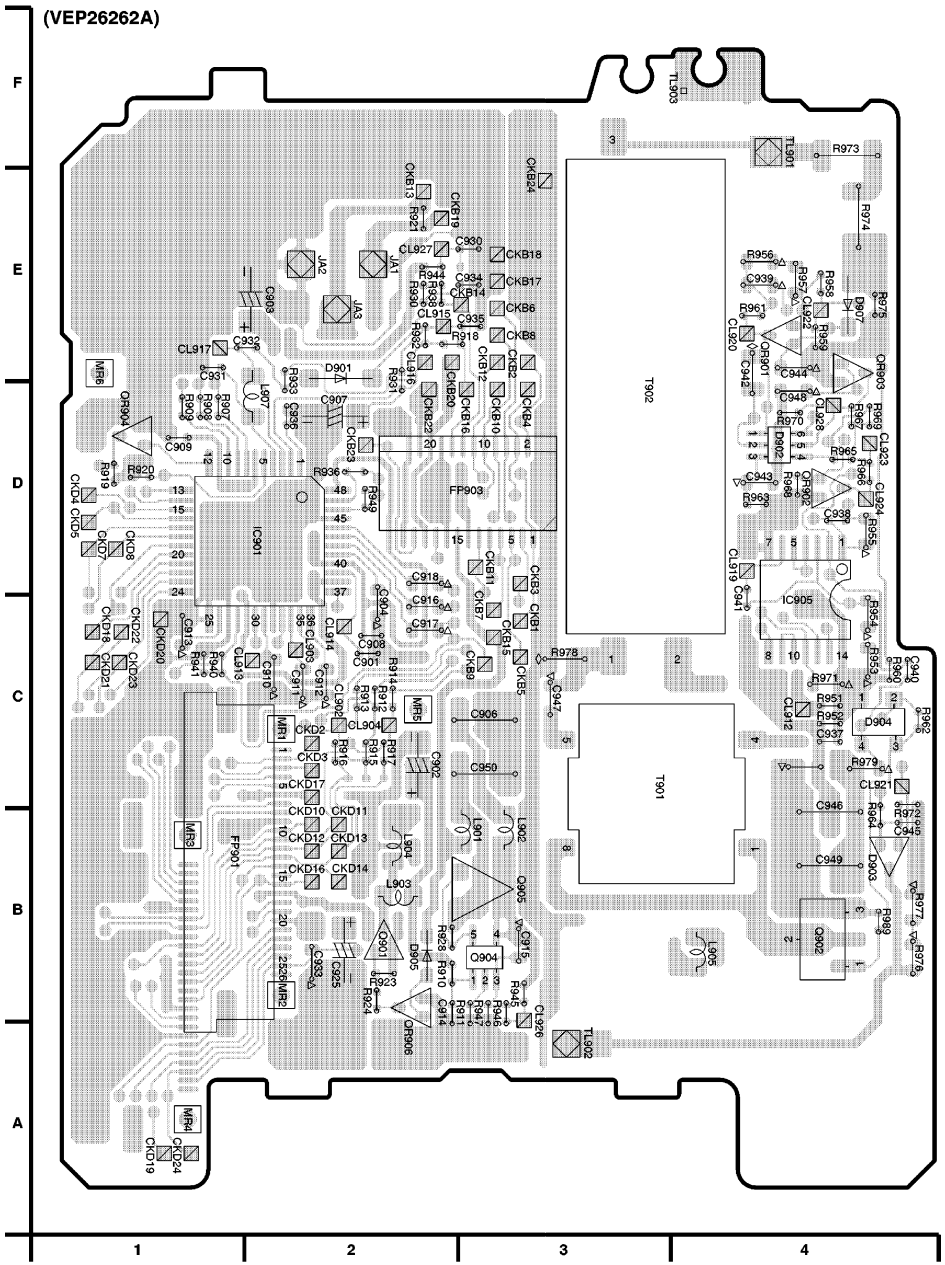
12.3. FLASH C.B.A.


(VEP07A42C : NV-MX8)
(VEP07A42B : NV-MX2)
NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.
(NV-MX8)
(COMPONENT SIDE)
(FOIL SIDE)
NV-MX8, MX2
FLASH C.B.A.

12.4. GRIP C.B.A.



12.5. MONITOR C.B.A. (NV-MX8 ONLY)

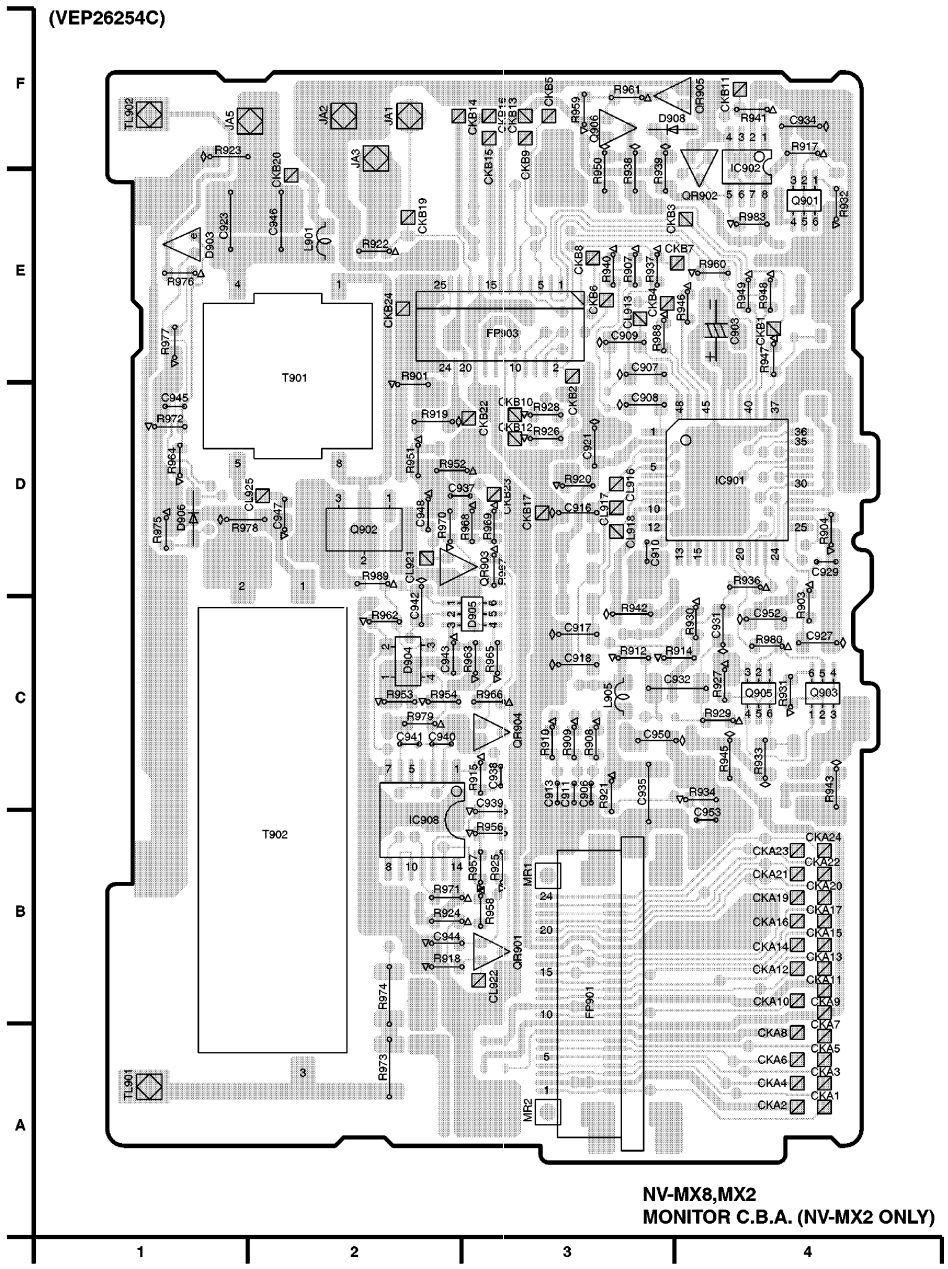


Monitor C.B.A.									
Integrated Circuit		CL924	D-4	C902	C-2	C942	E-4	R931	D-2	R968	D-4
IC901	D-2	CL926	A-3	C903	E-2	C943	D-4	R932	E-2	R969	D-4
IC905	C-4	CL927	E-2	C904	C-2	C944	E-4	R933	D-2	R970	D-4
Transistor		CL928	D-4	C906	C-3	C945	B-4	R936	D-2	R971	C-4
Q901	B-2	TL901	F-4	C907	D-2	C946	B-4	R938	E-2	R972	B-4
Q902	B-4	TL902	A-3	C908	C-2	C947	C-3	R940	C-1	R973	F-4
Q904	B-3	TL903	F-4	C909	D-1	C948	D-4	R941	C-1	R974	E-4
Q905	B-3	**Connector**		C910	C-2	C949	B-4	R944	E-2	R975	E-4
Transistor & Resistor		FP901	B-2	C911	C-2	C950	C-3	R945	B-3	R976	B-4
QR901	E-4	FP903	D-3	C912	C-2	**Resistor**		R946	B-3	R977	B-4
QR902	D-4	**Diode**		C913	C-1	R907	D-1	R947	B-3	R978	C-3
QR903	E-4	D901	E-2	C914	B-2	R908	D-1	R949	D-2	R979	C-4
QR904	D-1	D902	D-4	C915	B-3	R909	D-1	R951	C-4	R989	B-4
QR906	B-2	D903	B-4	C916	C-2	R910	B-2	R952	C-4	**Jumper**	
Test Point		D904	C-4	C917	C-2	R911	B-3	R953	C-4	JA1	E-2
CL902	C-2	D905	B-2	C918	D-2	R912	C-2	R954	C-4	JA2	E-2
CL903	C-2	D907	E-4	C925	B-2	R913	C-2	R955	D-4	JA3	E-2
CL904	C-2	**Transformer**		C930	E-3	R914	C-2	R956	E-4		
CL912	C-4	T901	C-3	C931	E-1	R915	C-2	R957	E-4		
CL913	C-2	T902	D-3	C932	E-1	R916	C-2	R958	E-4		
CL914	C-2	**Coil**		C933	B-2	R917	C-2	R959	E-4		
CL915	E-2	L901	B-3	C934	E-3	R918	E-2	R960	C-4		
CL916	E-2	L902	B-3	C935	E-3	R919	D-1	R961	E-4		
CL917	E-1	L903	B-2	C936	D-2	R920	D-1	R962	C-4		
CL919	D-4	L904	B-2	C937	C-4	R921	E-2	R963	D-4		
CL920	E-4	L905	B-4	C938	D-4	R923	B-2	R964	B-4		
CL921	C-4	L907	D-2	C939	E-4	R924	B-2	R965	D-4		
CL922	E-4	**Capacitor**		C940	C-4	R928	B-2	R966	D-4		
CL923	D-4	C901	C-2	C941	C-4	R930	E-2	R967	D-4		

ADDRESS INFORMATION

NV-MX8, MX2
MONITOR C.B.A. (NV-MX8 ONLY)

12.6. MONITOR C.B.A. (NV-MX2 ONLY)

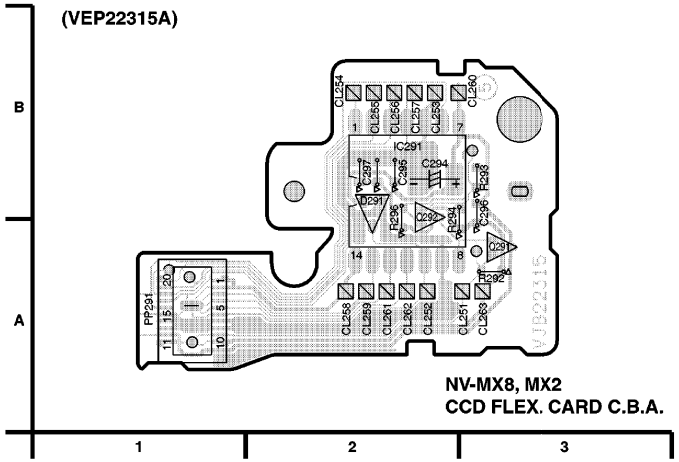


NV-MX8,MX2
MONITOR C.B.A. (NV-MX2 ONLY)

Monitor C.B.A.											
Integrated Circuit		**Diode**		C929	D-4	R914	C-4	R946	E-4	R976	E-1
IC901	D-4	D901	E-4	C931	C-4	R915	C-3	R947	E-4	R977	E-1
IC902	F-4	D902	E-4	C932	C-4	R917	F-4	R948	E-4	R978	D-1
IC908	B-2	D903	E-1	C934	F-4	R918	B-2	R949	E-4	R979	C-2
Transistor		D904	C-2	C935	C-3	R919	D-2	R950	E-3	R980	C-4
Q901	E-4	D905	C-3	C937	D-3	R920	D-3	R951	D-2	R983	E-4
Q902	D-2	D906	D-1	C938	C-3	R921	C-3	R952	D-2	R988	E-3
Q903	C-4	D908	F-3	C939	B-3	R922	E-2	R953	C-2	R989	D-2
Q905	C-4	**Transformer**		C940	C-2	R923	F-1	R954	C-2	**Jumper**	
Q906	F-3	T901	E-2	C941	C-2	R924	B-2	R956	B-3	JA1	F-2
Transistor & Resistor		T902	B-2	C942	C-2	R925	B-3	R957	B-3	JA2	F-2
QR901	B-3	**Coil**		C943	C-2	R926	D-3	R958	B-3	JA3	F-2
QR902	F-4	L901	E-2	C944	B-2	R927	C-4	R959	F-3	JA5	F-2
QR903	D-2	L905	C-3	C945	D-1	R928	D-3	R960	E-4		
QR904	C-3	**Capacitor**		C946	E-2	R929	C-4	R961	F-3		
QR905	F-3	C903	E-4	C947	D-2	R930	C-4	R962	C-2		
Test Point		C906	C-3	C948	D-2	R931	C-4	R963	C-3		
CL913	E-3	C907	E-3	C950	C-3	R932	E-4	R964	D-1		
CL916	D-3	C908	D-3	C952	C-4	R933	C-4	R965	C-3		
CL917	D-3	C909	E-3	C953	B-4	R934	C-4	R966	C-3		
CL918	D-3	C910	D-3	**Resistor**		R936	D-4	R967	D-3		
CL921	D-2	C911	C-3	R901	D-2	R937	E-3	R968	D-3		
CL922	B-3	C913	C-3	R903	C-4	R938	E-3	R969	D-3		
CL925	D-2	C916	D-3	R904	D-4	R939	E-3	R970	D-2		
TL901	A-1	C917	C-3	R907	E-3	R940	E-3	R971	B-2		
TL902	F-1	C918	C-3	R908	C-3	R941	F-4	R972	D-1		
Connector		C921	D-3	R909	C-3	R942	C-3	R973	A-2		
FP901	B-3	C923	E-1	R910	C-3	R943	C-4	R974	B-2		
FP903	E-3	C927	C-4	R912	C-3	R945	C-4	R975	D-1		

ADDRESS INFORMATION

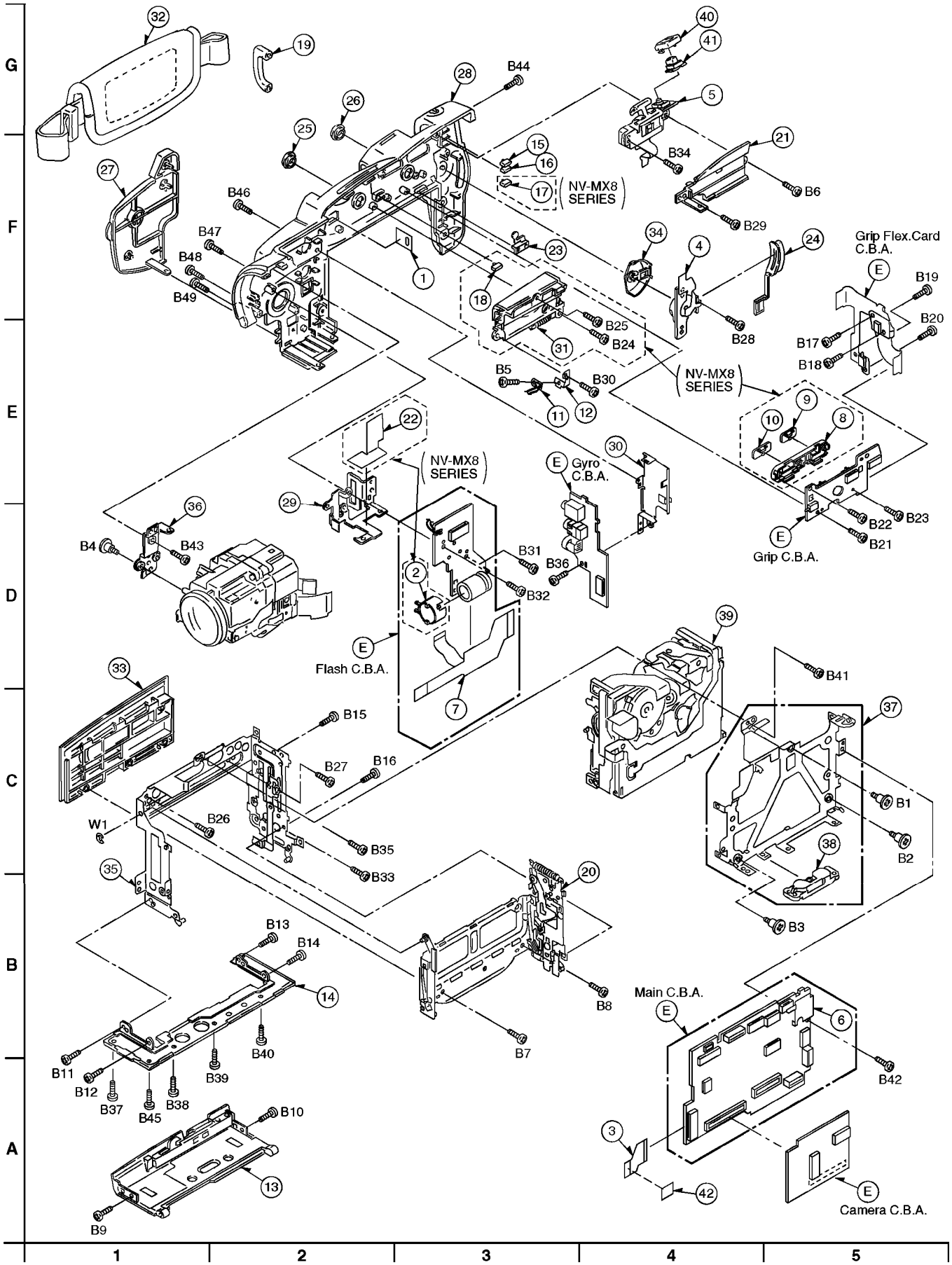
12.7. CCD FLEX. CARD C.B.A.



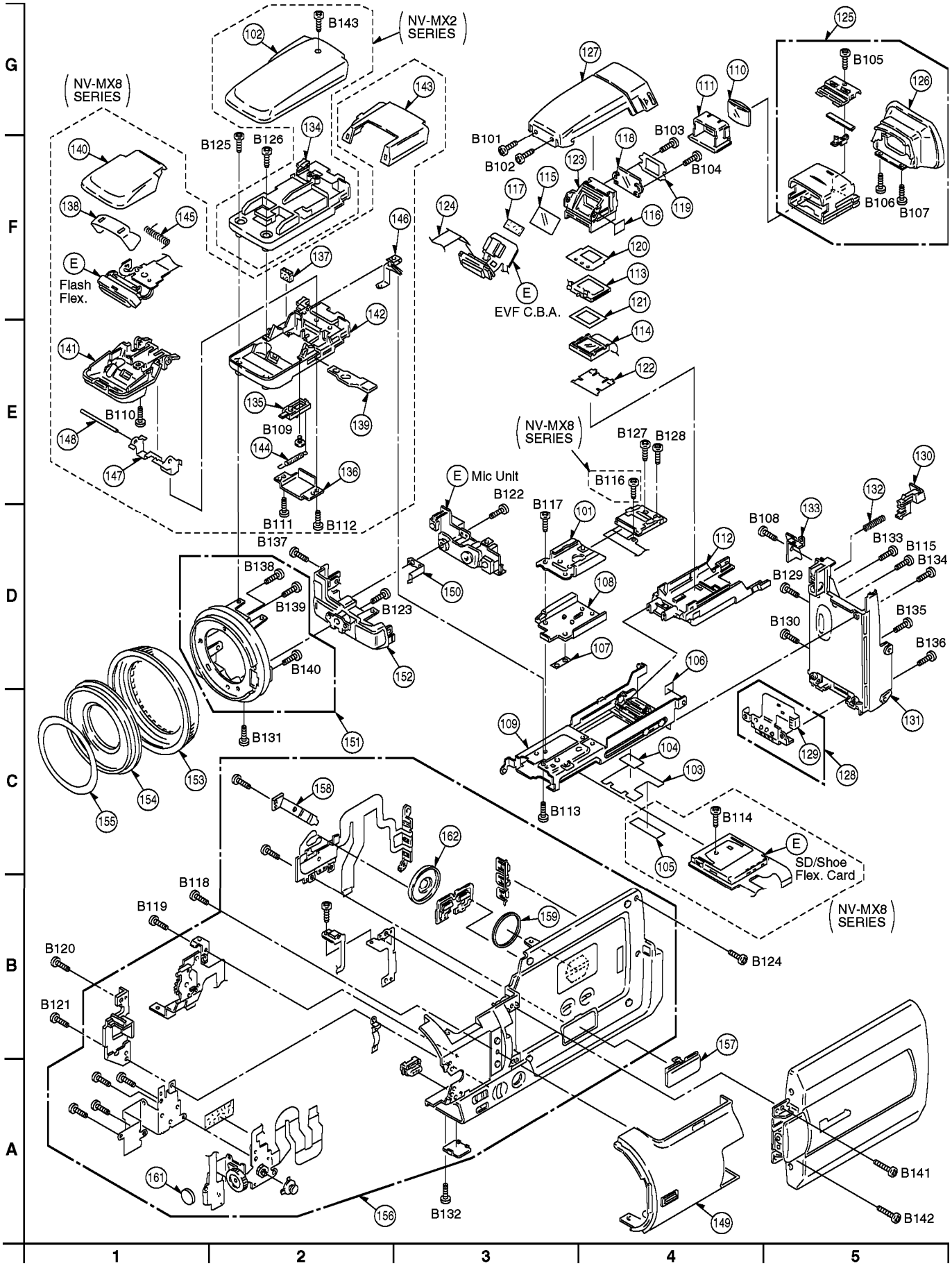
NV-MX8, MX2
CCD FLEX. CARD C.B.A.

13 EXPLODED VIEWS

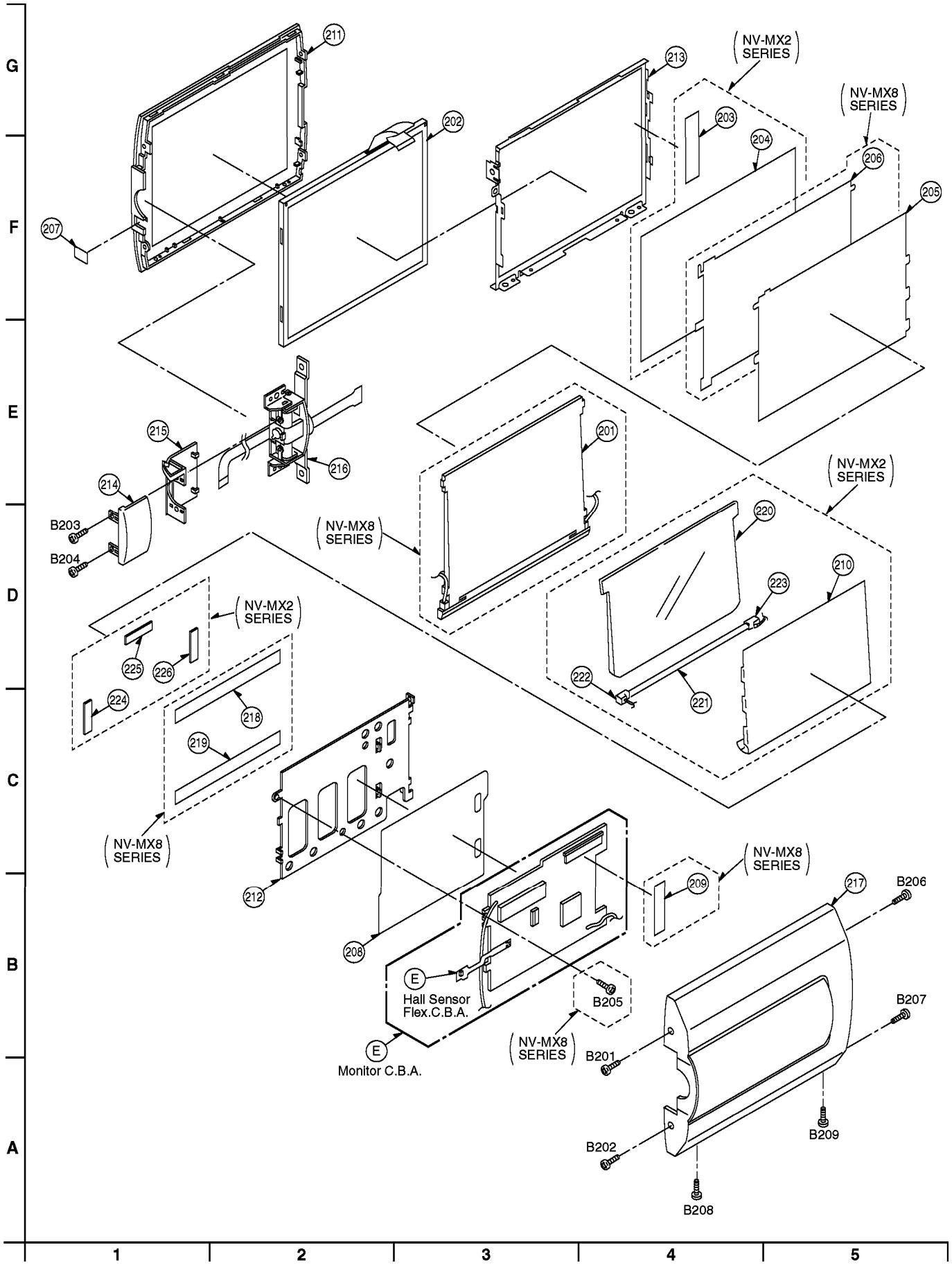
13.1. FRAME & CASING SECTION (1)



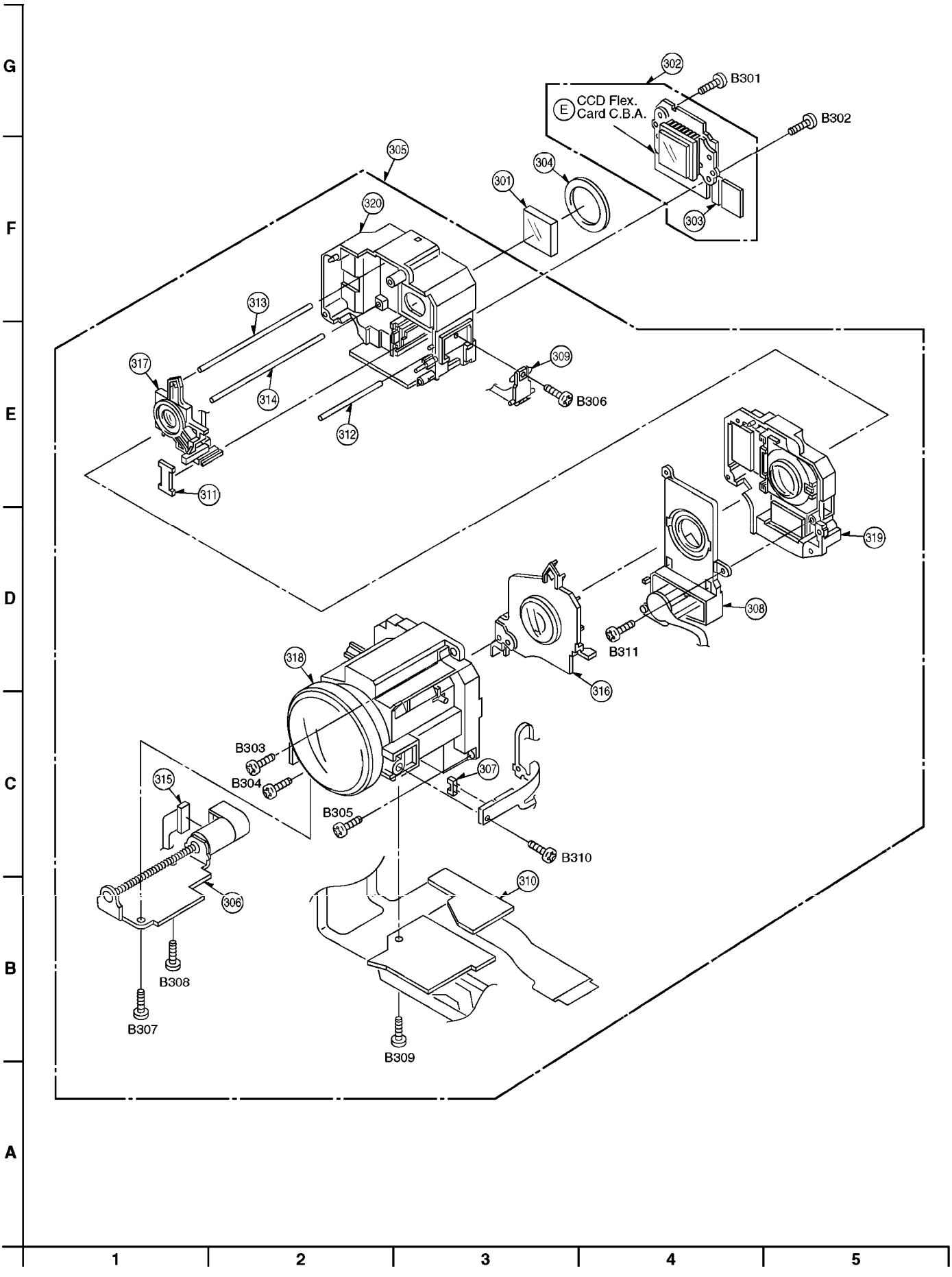
13.2. FRAME & CASING SECTION (2)



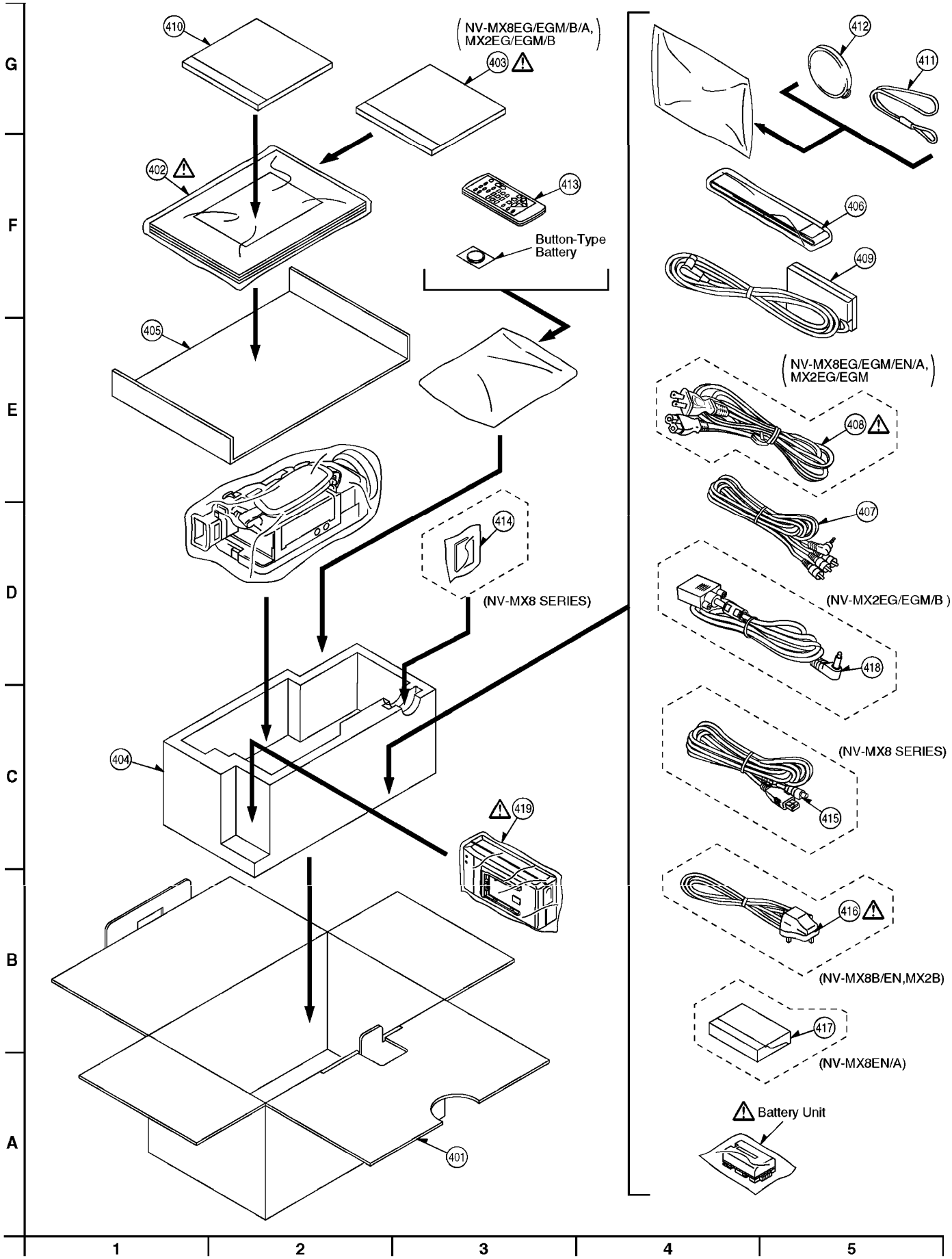
13.3. LCD SECTION



13.4. CAMERA LENS SECTION



13.5. PACKING & ACCESSORIES SECTION



14 REPLACEMENT PARTS LIST

14.1. FRAME & CASING SECTION (1) PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Remarks
1	VGQ6446	DEW BARRIER	
2	VGQ6256	CAPCITOR HOLDER	NV-MX8EG/EGM/B/EN/A
3	VWJ1490	GYRO FLEX.	
4	N9ZZ00000072	S/S POWER FLEX.	
5	N9ZZ00000026	ZOOM U.	
6	VSC5090	HEAD AMP SIELDE	
7	VWJ1489	FRONT FLEX.	
8	VGQ6255	MODE SELECT KNOB HOLDER	NV-MX8EG/EGM/B/EN/A
9	VGU8568	MODE SELECT KNOB	NV-MX8EG/EGM/B/EN/A
10	VGU8903	CARD MODE SELECT KNOB	NV-MX8EG/EGM/B/EN/A
11	VEK8778	DEW SENSOR U.	EYHS78D17
12	VMP7037	DEW SENSOR ANGLE	
13	VYK0B04	BOTTOM COVER U.	
14	VYK0A20	BOTTOM FRAME U.	
15	VGL0873	PANEL LIGHT	
16	VGL0873	PANEL LIGHT	
17	VGL0873	PANEL LIGHT	NV-MX8EG/EGM/B/EN/A
18	VGL0898	PANEL LIGHT (SD)	NV-MX8EG/EGM/B/EN/A
19	VGQ5851	GRIP BELT PIECE	
20	VXA6637	OUT HOLDER U.	
21	VGQ6267	L COVER	
22	VGQ6306	CAPACITOR BARRIER	NV-MX8EG/EGM/B/EN/A
23	VGU8420	RESET BUTTON	
24	VGU8422	S/S BUTTON	
25	VKF2971	MECHA. ADJ. PIECE	
26	VKF2971	MECHA. ADJ. PIECE	
27	VKF3386	JACK COVER	
28	VKM5682	SIDE CASE (L)	NV-MX8B
28	VKM5684	SIDE CASE (L)	NV-MX8EG/EGM/EN/A
28	VKM5685	SIDE CASE (L)	NV-MX2EG/EGM/B
29	VMP6905	GRIP BELT ANGLE	
30	VMP6907	JACK FRAME	
31	VXA7215	SD LID U.	NV-MX8EG/EGM/B/EN/A
32	VYC0833	GRIP BELT	
33	VYK0B05	CASSETTE COVER U.	
34	VYQ1857	POWER BUTTON U.	
35	VYQ2216	MAIN FRAME (1) U.	
36	VYK0A04	LENS FRAME U.	
37	VYQ2212	MECHA. FRAME U.	
38	VMD3345	TRIPOD FRAME	
39	VXY1626	MECHA. U.	
40	VGQ5665	PHOTO BUTTON GUIDE	
41	VGU8416	PHOTO BUTTON	
42	VGQ6460	PROTECT SHEET	
B1	VHD1133	SCREW	
B2	VHD1133	SCREW	
B3	VHD1133	SCREW	
B4	VHD1353	SCREW	
B5	XQN2+B2FZ	SCREW	
B6	VHD1365	SCREW	
B7	VHD1384	SCREW	
B8	VHD1384	SCREW	
B9	VHD1376	SCREW	
B10	VHD1376	SCREW	
B11	XQN16+B2FN	SCREW	
B12	XQN16+B2FN	SCREW	
B13	XQN16+B2FN	SCREW	
B14	XQN16+B2FN	SCREW	
B15	XQS16+A2	SCREW	
B16	XQS16+A2	SCREW	
B17	XQN14+B12	SCREW	
B18	XQN14+B12	SCREW	
B19	XQN14+B12	SCREW	
B20	XQN14+B12	SCREW	
B21	XQN16+BJ3FN	SCREW	
B22	XQN16+BJ3FN	SCREW	
B23	XQN16+BJ3FN	SCREW	
B24	XQN16+BJ3FN	SCREW	NV-MX8EG/EGM/B/EN/A
B25	XQN16+BJ3FN	SCREW	NV-MX8EG/EGM/B/EN/A
B26	XQN16+BJ3FN	SCREW	
B27	XQN16+BJ3FN	SCREW	
B28	XQN16+BJ4FZ	SCREW	
B29	XQN16+BJ4FZ	SCREW	
B30	XQN16+BJ4FZ	SCREW	
B31	XQN16+BJ4FZ	SCREW	
B32	XQN16+BJ4FZ	SCREW	
B33	XQN16+BJ4FZ	SCREW	
B34	XQN16+BJ6FN	SCREW	
B35	XQN16+BJ6FN	SCREW	
B36	XQN16+B3FN	SCREW	
B37	XQN16+B4FZ	SCREW	
B38	XQN16+B4FZ	SCREW	
B39	XQN16+B4FZ	SCREW	
B40	XQN16+B4FZ	SCREW	
B41	XQN16+B4FN	SCREW	
B42	XQN16+B4FN	SCREW	
B43	XQN16+BJ4FZ	SCREW	
B44	XQN16+B4FZ	SCREW	
B45	XQN16+B4FZ	SCREW	
B46	XQN16+B4FZ	SCREW	
B47	XQN16+B4FZ	SCREW	
B48	XQN16+B4FZ	SCREW	
B49	XQN16+B11FZ	SCREW	
W1	XUC2FP	WASHER	

14.2. FRAME & CASING SECTION (2) PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Remarks
101	K1FB108H0008	SHOE TERMINAL SOKET	NV-MX8EG/EGM/B/EN/A
101	VXA6838	SHOE TERMINAL SOKET	NV-MX2EG/EGM/B
102	VKM5699	TOP CASE	NV-MX2EG/EGM/B
103	VGQ5827	EVF FLEX. BARRIER	
104	VGQ5983	TAPE	
105	VGQ6296	BARRIER FIXING TAPE	NV-MX8EG/EGM/B/EN/A
106	VGQ6304	SCREW COVER SHEET	
107	VGQ6327	TOP ALUMINUM FOIL	
108	VKM5711	TOP PIECE	
109	VXA7312	EVF SLIDE FRAME U.	
110	VDL0972	EVF LENS	

Ref. No.	Part No.	Part Name & Description	Remarks
111	VGQ5832	EVF LENS HOLDER	
112	VKM5696	EVF CASE (LOWER)	
113	A2CD00000030	EVF BACKLIGHT	
114	L5BDDXZ00004	EVF LCD PANEL	
115	VDL1151	EVF REFLECTOR	
116	VGQ6436	EVF BARRIER	
117	VGQ5654	REFLECTOR CUSHION	
118	VGQ5833	EVF PROTECT COVER	
119	VGQ5835	PROTECT COVER SHEET	
120	VGQ6268	LCD MASK	
121	VGQ6269	LCD HOLD TAPE	
122	VGQ6270	LCD HOLD SHEET	
123	VKM5429	LCD HOLD PIECE	
124	VWJ1422	EVF FLEX.	
125	VYK0A08	EVF VIEW ADJ. U.	
126	VMG1396	EYE CAP	
127	VKM5695	EVF CASE (UPPER)	
128	VEK9053	BATTERY CATCHER U.	
129	VWJ1425	POWER BUS FLEX.	
130	VGU8923	BATTERY LOCK BUTTON	
131	VKM5681	REAR CASE	
132	VMB3210	BATTERY LOCK SPRING	
133	VMP6943	SHOULDER BELT ANGLE	
134	VKM5698	TOP BASE	NV-MX2EG/EGM/B
135	VGQ6251	LOCK LEVER	NV-MX8EG/EGM/B/EN/A
136	VGQ6307	FLEX. TAP PIECE	NV-MX8EG/EGM/B/EN/A
137	VGQ6326	CUSHION	NV-MX8EG/EGM/B/EN/A
138	VGQ6338	INSULATION BARRIER	NV-MX8EG/EGM/B/EN/A
139	VGU8902	FLASH OPEN BUTTON	NV-MX8EG/EGM/B/EN/A
140	VKM5712	FLASH CASE (UPPER)	NV-MX8EG/EGM/B/EN/A
141	VKM5668	FLASH CASE (LOWER)	NV-MX8EG/EGM/B/EN/A
142	VKM5714	FLASH BASE	NV-MX8EG/EGM/B/EN/A
143	VKM5713	TOP CASE	NV-MX8EG/EGM/B/EN/A
144	VMB3556	FLASH OPEN SPRING	NV-MX8EG/EGM/B/EN/A
145	VMB3557	POP SPRING	NV-MX8EG/EGM/B/EN/A
146	VMC1728	EARTH SPRING	NV-MX8EG/EGM/B/EN/A
147	VMP6903	BASE ANGLE	NV-MX8EG/EGM/B/EN/A
148	VMS7027	BASE SHAFT	NV-MX8EG/EGM/B/EN/A
149	VYK0A58	R COVER U.	NV-MX8EG/EGM/B/EN/A
149	VYK0A59	R COVER U.	NV-MX2EG/EGM/B
150	VMP6915	FRONT EARTH PLATE	
151	VXP2147	MF U.	
152	VYK0A16	FRONT CASE (1) U.	
153	VDW0763	LENS HOOD	
154	VDW0764	HOOD PIECE	
155	VGH4502	HOOD NAME PLATE	
156	N9ZZ00000113	SIDE CASE (R) (1) U.	NV-MX8EG/EGM/B/EN/A
156	N9ZZ00000114	SIDE CASE (R) (1) U.	NV-MX2EG/EGM/B
157	VKF3410	EVR COVER	
158	VMP6532	SPEAKER ANGLE	
159	VGQ5908	SPEAKER SHEET	
161	VSB0407	LITHIUM BATTERY	
162	L0AA02A00014	SPEAKER U.	
B101	VHD1377	SCREW	

Ref. No.	Part No.	Part Name & Description	Remarks
B102	VHD1377	SCREW	
B103	XQN16+BJ4FZ	SCREW	
B104	XQN16+BJ4FZ	SCREW	
B105	XQN14+BJ3FZ	SCREW	
B106	XQN14+BJ3FZ	SCREW	
B107	XQN14+BJ3FZ	SCREW	
B108	XQN16+BJ4	SCREW	
B109	VHD1152	SCREW	NV-MX8EG/EGM/B/EN/A
B110	XQN16+BJ5FZ	SCREW	NV-MX8EG/EGM/B/EN/A
B111	XQN16+B4	SCREW	NV-MX8EG/EGM/B/EN/A
B112	XQN16+B4	SCREW	NV-MX8EG/EGM/B/EN/A
B113	XQN16+BJ5	SCREW	
B114	XQN16+B16FN	SCREW	NV-MX8EG/EGM/B/EN/A
B115	XQN16+B25FZ	SCREW	
B116	XQN2+B35FZ	SCREW	NV-MX8EG/EGM/B/EN/A
B117	XQN2+B35FZ	SCREW	
B118	XQN16+BJ5	SCREW	
B119	XQN16+BJ5	SCREW	
B120	XQN16+BJ5	SCREW	
B121	XQN16+BJ5	SCREW	
B122	XQN16+BJ4	SCREW	
B123	XQN16+BJ4	SCREW	
B124	XQN16+B2FN	SCREW	
B125	XQN16+B6FZ	SCREW	
B126	XQN16+B6FZ	SCREW	
B127	XQN2+A45FZ	SCREW	
B128	XQN2+A45FZ	SCREW	
B129	XQN16+BJ6FZ	SCREW	
B130	XQN16+BJ6FZ	SCREW	
B131	XQN16+B6FN	SCREW	
B132	XQN16+B45FZ	SCREW	
B133	XQN16+B45FZ	SCREW	
B134	XQN16+B45FZ	SCREW	
B135	XQN16+B45FZ	SCREW	
B136	XQN16+B45FZ	SCREW	
B137	XQN16+B4FZ	SCREW	
B138	XQN16+BJ4	SCREW	
B139	XQN16+BJ4	SCREW	
B140	XQN16+BJ4	SCREW	
B141	VHD1448	SCREW	
B142	VHD1448	SCREW	
B143	XQN16+BJ4FN	SCREW	NV-MX2EG/EGM/B

14.3. LCD SECTION PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Remarks
201	KBLUMJ127VM	BACK LIGHT U.	NV-MX8EG/EGM/B/EN/A
202	ALP234FXX00	LCD PANEL	NV-MX8EG/EGM/B/EN/A L5BDDYM00002
202	EDTCA29QJO	LCD PANEL	NV-MX2EG/EGM/B
203	VGQ5810	MF INSULATION SHEET	NV-MX2EG/EGM/B
204	VGL0940	D-BEF SHEET	NV-MX2EG/EGM/B
205	VGL0900	DIFFUSION SHEET	NV-MX8EG/EGM/B/EN/A
205	VGL0941	DIFFUSION SHEET	NV-MX2EG/EGM/B
206	VGL0896	POLARIZATION SHEET	NV-MX8EG/EGM/B/EN/A
207	VGQ4758	PROTECT SHEET	
208	VGQ5844	LCD INSULATION BARRIER	NV-MX8EG/EGM/B/EN/A

Ref. No.	Part No.	Part Name & Description	Remarks
208	VGQ6181	LCD INSULATION BARRIER	NV-MX2EG/EGM/B
209	VGQ5507	TAPE	NV-MX8EG/EGM/B/EN/A
210	VGL0929	REFLECTION SHEET	NV-MX2EG/EGM/B
211	VKM5693	LCD CASE (LOWER)	NV-MX8EG/EGM/B/EN/A
211	VKM5694	LCD CASE (LOWER)	NV-MX2EG/EGM/B
212	VMP6572	LCD FRAME	NV-MX8EG/EGM/B/EN/A
212	VMP6945	LCD FRAME	NV-MX2EG/EGM/B
213	VSC5276	LCD SHIELD CASE	NV-MX8EG/EGM/B/EN/A
213	VSC5280	LCD SHIELD CASE	NV-MX2EG/EGM/B
214	VGQ6253	HINGE COVER (UPPER)	
215	VGQ6254	HINGE COVER (LOWER)	
216	VXD0353	LCD HINGE (1) U.	
217	VYK0A65	LCD CASE (UPPER) U.	NV-MX8B
217	VYK0A66	LCD CASE (UPPER) U.	NV-MX8EG/EGM
217	VYK0C79	LCD CASE (UPPER) U.	NV-MX8EN/A
217	VYK0A67	LCD CASE (UPPER) U.	NV-MX2EG/EGM/B
218	VGQ6339	LCD SPACER	NV-MX8EG/EGM/B/EN/A
219	VGQ6339	LCD SPACER	NV-MX8EG/EGM/B/EN/A
220	VKW2909	LIGHT GUIDE PLATE	NV-MX2EG/EGM/B
221	KC56D1889DH	FLUORESCENT TUBE	NV-MX2EG/EGM/B
222	VGQ6138	FLUORESCENCE TUBE RUBBER	NV-MX2EG/EGM/B
223	VGQ6138	FLUORESCENCE TUBE RUBBER	NV-MX2EG/EGM/B
224	VGQ6170	LCD PANEL FIXING SHEET (B)	NV-MX2EG/EGM/B
225	VGQ6170	LCD PANEL FIXING SHEET (B)	NV-MX2EG/EGM/B
226	VGQ6170	LCD PANEL FIXING SHEET (B)	NV-MX2EG/EGM/B
B201	VHD1459	SCSREW	
B202	VHD1459	SCSREW	
B203	VHD1451	SCSREW	
B204	VHD1451	SCSREW	
B205	XQN16+B25FN	SCREW	NV-MX8EG/EGM/B/EN/A
B206	XQN16+B25FN	SCREW	
B207	XQN16+B25FN	SCREW	
B208	XQN16+B25FN	SCREW	
B209	XQN16+B25FN	SCREW	

14.4. CAMERA LENS SECTION PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Remarks
301	VDL1217	CRYSTAL FILTER	
302	VEK9318	CCD U.	
303	VJB22315	CCD FLEX.	
304	VMX3070	CCD CUSHION	
305	VXW0502	LENS U.	
306	08S1E13F6NJ	ZOOM MOTOR U.	
307	CNA1312K01VT	PHOTO SENSOR	
308	L9ZZ00000185	IRIS U.	
309	VEK8449	MR SENSOR U.	
310	VEK9298	LENS FLEX. U.	
311	VMA9961	SIDE YOKE	
312	VMS6491	F GUIDE POLE	
313	VMS6808	Z GUIDE POLE	
314	VMS6808	Z GUIDE POLE	
315	VMX3055	ZM CONNECTOR BASE	
316	VXP2126	2ND MOVING FRAME U.	
317	VXP2127	4TH MOVING FRAME U.	
318	VXQ1017	MAIN FRAME U.	
319	VXQ1018	3RD MOVING FRAME U.	
320	VXQ1019	MASTER FLANGE U.	
B301	XQN16+CJ4FY	SCREW	
B302	XQN16+CJ4FY	SCREW	
B303	XQN16+BJ8	SCREW	
B304	XQN16+BJ8	SCREW	
B305	XQN16+BJ8	SCREW	
B306	XQN16+BJ5	SCREW	
B307	XQN16+BJ5	SCREW	
B308	XQN16+BJ5	SCREW	
B309	XQN16+BJ5	SCREW	
B310	XQN16+BJ5	SCREW	
B311	XQN16+BJ5	SCREW	

14.5. PACKING PARTS & ACCESSORIES SECTION PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Remarks
401	VPG0L65	PACKING	NV-MX8EG
401	VPG0L66	PACKING	NV-MX8EGM
401	VPG0L67	PACKING	NV-MX8B
401	VPG0L63	PACKING	NV-MX8A,EN
401	VPG0L68	PACKING	NV-MX2EG
401	VPG0L69	PACKING	NV-MX2EGM
401	VPG0N70	PACKING	NV-MX2B
402	VQT9381	OPERATING INSTRUCTIONS(GERMAN,FRENCH)	△ NV-MX8EG,MX2EG
402	VQT9382	OPERATING INSTRUCTIONS(ITALIAN,DUTCH)	△ NV-MX8EG,MX2EG
402	VQT9383	OPERATING INSTRUCTIONS(GERMAN,SPANISH)	△ NV-MX8EGM,MX2EGM
402	VQT9384	OPERATING INSTRUCTIONS(SWEDISH,DANISH)	△ NV-MX8EGM,MX2EGM
402	VQT9368	OPERATING INSTRUCTIONS(ENGLISH)	△ NV-MX8B,MX2B
402	VQT9385	OPERATING INSTRUCTIONS(ENGLISH,CHINESE)	△ NV-MX8EN
402	VQT9386	OPERATING INSTRUCTIONS(RUSSIAN,ARABIC)	△ NV-MX8EN
402	VQT9370	OPERATING INSTRUCTIONS(ENGLISH)	△ NV-MX8A
403	VQT9387	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/GERMAN,FRENCH,ITALIAN,DUTCH)	△ NV-MX8EG

Ref. No.	Part No.	Part Name & Description	Remarks
403	VQT9388	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/GERMAN,SPANISH,SWEDISH,DANISH)	⚠ NV-MX8EGM
403	VQT9389	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/ENGLISH)	⚠ NV-MX8B
403	VQT9390	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/ENGLISH)	⚠ NV-MX8A
403	VQT9410	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/GERMAN,FRENCH,ITALIAN,DUTCH)	⚠ NV-MX2EG
403	VQT9411	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/GERMAN,SPANISH,SWEDISH,DANISH)	⚠ NV-MX2EGM
403	VQT9412	OPERATING INSTRUCTIONS FOR PC KIT(CD-ROM/ENGLISH)	⚠ NV-MX2B
404	VPN5618	CUSHION	
405	VPN5399	SPACER PAD	
406	VFC3506	SHOULDER BELT	
407	K2KC4CB00002	AV CABLE	
408	VJA0664	AC CORD	⚠ NV-MX8EG/EGM/EN,MX2EG/EGM K2CR2DA00004
408	VJA0754	AC CORD	⚠ NV-MX8A K2CJ2DA00002
409	K2GJ2DZ00011	DC CABLE	
410	VFF0120-S	CD-ROM FOR PC KIT	NV-MX8EG/EGM/B/EN/A
410	VFF0105-S	CD-ROM FOR PC KIT	NV-MX2EG/EGM/B
411	VGQ2750	HOOD STRAP	
412	VYP8309	HOOD CAP UNIT	
413	N2QAEC000003	REMOTE CONTROLLER	
414	RP-SD008BVE0	SD CARD	NV-MX8EG/EGM/B/EN/A
415	VFA0363	USB CONNECTION CABLE	NV-MX8EG/EGM/B/EN/A
416	VJA0940	AC CORD	⚠ NV-MX8B/EN,MX2B K2CT3DA00003
417	VFK1451	HEAD CLEANIG CASSETTE	NV-MX8EN/A
418	VJA1122	INTERFACE CABLE	NV-MX2EG/EGM/B K1V208A10002
419	VSK0581-A	AC ADAPTOR	⚠

14.6. ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE: Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=uuF.
4. The P.C. Board units marked width "■" show below the main assembled parts.
5. The marking (RTL) indicaters the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
n	VEP03F95C	MAIN C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP03F95D	MAIN C.B.A.	(RTL)NV-MX2EG/EGM/B
n	VEP23565B	CAMERA C.B.A.	(RTL)
n	VEP22315A	CCD FLEX. CARD C.B.A.	(RTL)
n	VEK9298	LENS FLEX. CARD C.B.A.	(RTL)
n	VEK9324	MIC UNIT	
n	VEP28285A	EVF C.B.A.	(RTL)
n	VEP06E28A	GRIP C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP06E28B	GRIP C.B.A.	(RTL)NV-MX2EG/EGM/B
n	VEP06E30A	GRIP FLEX. CARD	(RTL)
n	VEP04781B	GYRO C.B.A.	(RTL)
n	VEP07A42C	FLASH C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP07A42B	FLASH C.B.A.	(RTL)NV-MX2EG/EGM/B
n	VEP26262A	MONITOR C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP26254C	MONITOR C.B.A.	(RTL)NV-MX2EG/EGM/B
n	VEP000U2A	SD FLEX. CARD	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP07A43A	FLASH FLEX. CARD	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP22315A	CCD FLEX. CARD C.B.A.	(RTL)
C294	ECST1VX225Z	T.CAPACITOR CH 35V 2.2U	
C295	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C296	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C297	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
D291	MA143	DIODE	
PP291	VJP4009C020	CONNECTOR (MALE) 20P	K1KA20A00170
Q291	2SC4627JCL	TRANSISTOR	
Q292	2SC4627JCL	TRANSISTOR	
R292	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	
R293	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	
R294	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	
R296	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	
		MISCELLANEOUS	
	VJB22315	CCD FLEX.	
n	VEK9298	LENS FLEX. CARD C.B.A.	(RTL)
		MISCELLANEOUS	
	HT-120B	HALL SENSOR	
	K1MN12D00082	CONNECTOR	
	VJB20890	FLEX. CARD	
n	VEK9324	MIC UNIT	
C491	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C492	ECUM1C823KBV	C.CAPACITOR CH 16V 0.082U	
C493	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	
C4801	F1G1C183A044	CERAMIC CAPACITOR	
C4802	F1G1C183A044	CERAMIC CAPACITOR	
C4803	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C4804	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	

Ref. No.	Part No.	Part Name & Description	Remarks
C4805	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C4806	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C4901	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C4902	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C4903	ECUX0J105VBV	C.CAPACITOR CH 6.3V 1U	
C4905	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	F3F0J226A007
C4906	VCS0JP106	E.CAPACITOR 6.3V 10U	
C4908	ECUX0J105VBV	C.CAPACITOR CH 6.3V 1U	
C4910	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	F3F0J226A007
C4913	ECUX0J105VBV	C.CAPACITOR CH 6.3V 1U	
C6401	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C6402	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	F3F0J226A007
D491	MA132WA	DIODE	MA3S132D
D6801	CL170HR-CD	CHIP LED	B3AAB0000051
D6802	PH310	DIODE	B3GA00000001
FP4901	VJS4322A014	CONNECTOR (FEMALE) 14P	
IR6401	PNA4611M05VT	IR RECEIVER	
JK4901	VJJ0414	MIC JACK	K2HC105E0003
LB4925	VLP0329A241	COIL	
LB4926	VLP0329A241	COIL	
LB4927	J0JHC0000032	FILTER	
Q491	2SD1030	TRANSISTOR	
Q492	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4801	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4802	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4901	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4902	2SB1218A-R	TRANSISTOR	2SB1218AR
Q4903	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4904	2SB1218A-R	TRANSISTOR	2SB1218AR
Q4905	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4906	2SD1819A-R	TRANSISTOR	2SD1819AR
Q4907	2SD1819A-R	TRANSISTOR	2SD1819AR
R491	ERJ2GEJ225	M.RESISTOR CH 1/16W 2.2M	
R492	ERJ2GEJ334	M.RESISTOR CH 1/16W 330K	
R493	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R494	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	
R495	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	
R4801	ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	
R4802	ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	
R4803	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	
R4804	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	
R4805	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	ERJ3GEYJ104A
R4806	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	ERJ3GEYJ104A
R4807	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	
R4808	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	

Ref. No.	Part No.	Part Name & Description	Remarks
R4809	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	
R4810	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	
R4811	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R4812	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R4901	ERJ2GEJ682	M.RESISTOR CH 1/16W 6.8K	
R4902	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R4903	ERJ2GEJ682	M.RESISTOR CH 1/16W 6.8K	
R4905	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	
R4906	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	
R4907	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	
R4908	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	
R4909	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R4910	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	
R4911	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R4912	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	
R4913	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	
R4914	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	
R4915	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	
R4916	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R4917	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	
R4918	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R4919	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R4921	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4922	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4923	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4924	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4927	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R6401	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R6402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	
R6403	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R6803	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	
		MISCELLANEOUS	
	VSC5258	FRONT SHIELD CASE	
n	VEP28285A	EVF C.B.A.	(RTL)
C802	ECUV1A226MBP	C.CAPACITOR CH 10V 22U	F1L1A2260013
FP801	K1MN19B00029	CONNECTOR	K1MN19B00030
FP802	VJS4353B016	CONNECTOR (FEMALE) 16P	
L881	VLQ0779K100	COIL 10UH	G1C100KA0005

Ref. No.	Part No.	Part Name & Description	Remarks
Q881	2SK2055	TRANSISTOR	
T881	ETJ11K73AM	TRANSFORMER	
		MISCELLANEOUS	
	VMZ3213	BARRIER	
n	VEP06E28A	GRIP C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP06E28B	GRIP C.B.A.	(RTL)NV-MX2EG/EGM/B
C6101	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	
D6101	CL190UR	DIODE	B3AAB0000067
D6102	SML-310MT	LED	B3ABB0000091
D6103	SML-310DT	LED	NV-MX8EG/EGM/B/EN/A B3ADB0000026
D6104	CL190UR	DIODE	NV-MX8EG/EGM/B/EN/A B3AAB0000067
D6105	B0JDAD000001	DIODE	
D6106	B0JDAD000001	DIODE	
FP6101	VJS4036B008	CONNECTOR (FEMALE) 8P	
FP6102	VJS4298B008	CONNECTOR (FEMALE) 8P	K1MN08B00048
FP6103	VJS3971B021	CONNECTOR (FEMALE) 21P	
R6101	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	
R6102	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	NV-MX8EG/EGM/B/EN/A
R6103	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	
R6104	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	
S6103	VSS0535	SLIDE SWITCH	NV-MX8EG/EGM/B/EN/A K0D113B00036
S6104	VSS0392	SLIDE SWITCH	NV-MX8EG/EGM/B/EN/A K0D112B00074
S6201	VSP0584	SWITCH	NV-MX8EG/EGM/B/EN/A K0L1BA000019
S6202	VSP1102	SWITCH	K0H1BA000260
n	VEP06E30A	GRIP FLEX. CARD	(RTL)
S6211	VSP0584	SWITCH	K0L1BA000019
S6212	VSP0584	SWITCH	K0L1BA000019
n	VEP04781B	GYRO C.B.A.	(RTL)
C451	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	F3F0J226A007
C453	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C455	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C456	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C458	ECUM0J106VBM	C.CAPACITOR CH 6.3V 10U	
C459	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	

Ref. No.	Part No.	Part Name & Description	Remarks
C460	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C461	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C462	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C464	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C465	ECUM0J106VBM	C.CAPACITOR CH 6.3V 10U	
C467	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C468	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C470	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	
C471	ECUM0J106VBM	C.CAPACITOR CH 6.3V 10U	
C472	ECUM0J106VBM	C.CAPACITOR CH 6.3V 10U	
C480	ECST0GY226Z	T.CAPACITOR CH 4V 22U	
C481	ECST0GY476Z	T.CAPACITOR CH 4V 47U	F3F0G476A009
C482	ECST0GY226Z	T.CAPACITOR CH 4V 22U	
C2502	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C2503	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C2504	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C2506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C2507	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	
C2508	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C2509	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C2510	F1J0J475A006	CERAMIC CAPACITOR	
C2511	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	F3F0J226A007
C2512	F1J0J475A006	CERAMIC CAPACITOR	
C2513	ECUX1A473KBQ	C.CAPACITOR CH 10V 0.047U	
C4001	ECUX1E472KBQ	C.CAPACITOR CH 25V 4700P	
C4002	ECUX1E472KBQ	C.CAPACITOR CH 25V 4700P	
D2501	MA2S728	DIODE	
FL4002	J0MAB0000113	FILTER	
FP451	VJS3971B027	CONNECTOR (FEMALE) 27P	
IC451	TC7W66FU	IC	
IC452	NJM3403AV	IC	C0ABCA000041
IC453	NJM2143R	IC	C0ABAA000045
IC480	L2ES00000006	IC	
IC481	L2ES00000005	IC	
IC2501	C0ZBZ0000540	IC	
IC2502	MM1385ENRE	IC	C0CBABC00077
IC2503	NJM2407R	IC	C0BZBB000001
JK2501	VJJ0552	JACK (4-PIN)	K2HC104E0002
JK2502	K2HZ108B0004	8-PIN JACK	
JK4001	VJJ0668	AV JACK (4-PIN)	K2HC106B0005
L451	VLQ0911K100	COIL 10UH	G1C100K00019
L452	VLQ0911K100	COIL 10UH	G1C100K00019
L480	VLQ0911K100	COIL 10UH	G1C100K00019
L2501	VLQ0855M4R7	COIL 4.7UH	G1C4R7M00016
L2502	VLQ0911K100	COIL 10UH	G1C100K00019
LB2503	VLF1315A102	CHIP BEAD	⚠ J0JHC0000015

Ref. No.	Part No.	Part Name & Description	Remarks
LB2504	VLF1315A102	CHIP BEAD	⚠ J0JHC0000015
LB2505	VLP0357A601	CHIP BEAD	
LB2506	J0JHC0000032	FILTER	
LB2507	VLP0357A601	CHIP BEAD	
LB2508	VLP0357A601	CHIP BEAD	
LB2509	VLP0357A601	CHIP BEAD	
LB4001	VLP0329A121	CHIP BEAD	
LB4003	VLP0330A102	CHIP BEAD	J0JAC0000011
LB4004	J0JHC0000032	FILTER	
LB4005	VLF1315A102	CHIP BEAD	⚠ J0JHC0000015
LB4006	VLF1315A102	CHIP BEAD	⚠ J0JHC0000015
LB4007	VLP0330A102	CHIP BEAD	J0JAC0000011
QR2501	RN1706R	TRANSISTOR-RESISTOR	B1GFCFGN0004
R452	ERJ2GEJ274	M.RESISTOR CH 1/16W 270K	
R453	ERJ2RHD472	M.RESISTOR CH 1/16W 4.7K	
R454	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R455	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R456	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R457	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R458	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R459	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R460	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R461	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R462	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R463	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R464	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R465	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R466	ERJ2RHD472	M.RESISTOR CH 1/16W 4.7K	
R467	ERJ2GEJ274	M.RESISTOR CH 1/16W 270K	
R469	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R470	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R2503	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	D0GB101JA002
R2504	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	D0GB101JA002
R2507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R2508	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R2509	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R2510	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R2511	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R2513	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R2514	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	
R2515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R2516	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R2517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4001	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	

Ref. No.	Part No.	Part Name & Description	Remarks
VZ2501	D4ED1120A002	TRANSIENT/SURGE ABSORBER	
VZ2502	D4ED1220A006	TRANSIENT/SURGE ABSORBER	
VZ2503	D4ED1220A006	TRANSIENT/SURGE ABSORBER	
VZ2504	D4ED1220A006	TRANSIENT/SURGE ABSORBER	
VZ4001	VRT0158	TRANSIENT/SURGE ABSORBER	D4ED12710002
n	VEP07A42C	FLASH C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP07A42B	FLASH C.B.A.	(RTL)NV-MX2EG/EGM/B
C3901	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C7001	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	NV-MX8EG/EGM/B/EN/A
C7002	ECUX1E102KBQ	C.CAPACITOR CH 25V 1000P	NV-MX8EG/EGM/B/EN/A
C7003	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C7004	F2AZZ7500002	ELECTROLYTIC CAPACITOR	NV-MX8EG/EGM/B/EN/A
C7006	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	NV-MX8EG/EGM/B/EN/A
C7007	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C7008	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C7009	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C7010	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	NV-MX8EG/EGM/B/EN/A
C7011	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	NV-MX8EG/EGM/B/EN/A
C7012	ECUX1A334KBV	C.CAPACITOR CH 10V 0.33U	NV-MX8EG/EGM/B/EN/A
D3901	MA133	DIODE	MA3S133
D7003	B0ECKT000001	DIODE	NV-MX8EG/EGM/B/EN/A
D7004	MAZU3000LL	DIODE	NV-MX8EG/EGM/B/EN/A
FL3961	J0MAB0000086	CHIP BEAD	
FP7001	VJS3971B027	CONNECTOR (FEMALE) 27P	
FP7002	VJS3971B033	CONNECTOR (FEMALE) 33P	NV-MX8EG/EGM/B/EN/A
IC7001	TC7S08FU	IC	NV-MX8EG/EGM/B/EN/A C0JBAA000203
IC7002	TA75S393F	IC	NV-MX8EG/EGM/B/EN/A C0BBAB000005
JK3001	VJJ0670	S-JACK	K2HZ104A0002
JK3801	VJJ0673	DV TERMINAL	K1FA104A0011
L7001	G1C560MA0024	COIL 56UH	NV-MX8EG/EGM/B/EN/A
LB3962	J0JHC0000032	FILTER	
Q7001	B1BDDG000001	TRANSISTOR	NV-MX8EG/EGM/B/EN/A B1BDDG000005
Q7002	2SB1462-R	TRANSISTOR	NV-MX8EG/EGM/B/EN/A 2SB14620R
Q7003	B1ABBE000002	TRANSISTOR	NV-MX8EG/EGM/B/EN/A

Ref. No.	Part No.	Part Name & Description	Remarks
Q7004	B1JBLP000003	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A B1JBLP000002
QR7001	B1GBCFGJ0007	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
QR7002	B1GBBEMM0001	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
QR7003	B1GDBEHH0001	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
QR7005	B1GBCFGJ0007	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
QR7006	B1GBCFGJ0007	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
R3901	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R3902	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R3903	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R3904	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R3905	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R3906	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R7001	ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	NV-MX8EG/EGM/B/EN/A
R7002	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	NV-MX8EG/EGM/B/EN/A
R7003	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	NV-MX8EG/EGM/B/EN/A
R7004	ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	NV-MX8EG/EGM/B/EN/A
R7005	ERJ2GEJ334	M.RESISTOR CH 1/16W 330K	NV-MX8EG/EGM/B/EN/A
R7006	ERJ2GEJ564	M.RESISTOR CH 1/16W 560K	NV-MX8EG/EGM/B/EN/A
R7008	ERJ2GEJ330	M.RESISTOR CH 1/16W 33	NV-MX8EG/EGM/B/EN/A
R7009	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	NV-MX8EG/EGM/B/EN/A
R7010	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	NV-MX8EG/EGM/B/EN/A
R7011	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	NV-MX8EG/EGM/B/EN/A
R7012	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	NV-MX8EG/EGM/B/EN/A
R7013	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	NV-MX8EG/EGM/B/EN/A
R7014	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	NV-MX8EG/EGM/B/EN/A
R7015	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	NV-MX8EG/EGM/B/EN/A
R7016	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	NV-MX8EG/EGM/B/EN/A
R7017	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	NV-MX8EG/EGM/B/EN/A
R7018	ERJ2GEJ681	M.RESISTOR CH 1/16W 680	NV-MX8EG/EGM/B/EN/A
R7019	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	NV-MX8EG/EGM/B/EN/A
R7020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
T7001	G5DYA0000033	SWITCHING TRANSFORMER	NV-MX8EG/EGM/B/EN/A G5DYA0000032
VZ3952	D4ED1120A002	TRANSIENT/SURGE ABSORBER	
VZ6401	D4ED1270A008	TRANSIENT/SURGE ABSORBER	
VZ6402	D4ED1270A008	TRANSIENT/SURGE ABSORBER	
VZ7001	D4ED1120A002	TRANSIENT/SURGE ABSORBER	NV-MX8EG/EGM/B/EN/A

Ref. No.	Part No.	Part Name & Description	Remarks
n	VEP26262A	MONITOR C.B.A.	(RTL)NV-MX8EG/EGM/B/EN/A
n	VEP26254C	MONITOR C.B.A.	(RTL)NV-MX2EG/EGM/B
C901	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C902	ECST0GY476Z	T.CAPACITOR CH 4V 47U	NV-MX8EG/EGM/B/EN/A F3F0G476A009
C903	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	NV-MX8EG/EGM/B/EN/A F3F0J226A007
C903	F3F0J1060005	TANTALUM CAPACITOR	NV-MX2EG/EGM/B
C904	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	NV-MX8EG/EGM/B/EN/A
C906	ECUM1C106VB	C.CAPACITOR CH 16V 10U	NV-MX8EG/EGM/B/EN/A
C906	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	NV-MX2EG/EGM/B
C907	F3F0J335A008	TANTALUM CAPACITOR	NV-MX8EG/EGM/B/EN/A
C907	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C908	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C908	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C909	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C909	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C910	ECUX0J474KBV	C.CAPACITOR CH 6.3V 0.47U	NV-MX8EG/EGM/B/EN/A
C910	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	NV-MX2EG/EGM/B
C911	ECUX0J474KBV	C.CAPACITOR CH 6.3V 0.47U	NV-MX8EG/EGM/B/EN/A
C911	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	NV-MX2EG/EGM/B
C912	ECUX0J474KBV	C.CAPACITOR CH 6.3V 0.47U	NV-MX8EG/EGM/B/EN/A
C913	ECUX0J474KBV	C.CAPACITOR CH 6.3V 0.47U	NV-MX8EG/EGM/B/EN/A
C913	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	NV-MX2EG/EGM/B
C914	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	NV-MX8EG/EGM/B/EN/A
C915	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	NV-MX8EG/EGM/B/EN/A ECJ1XB1C104K
C916	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	NV-MX8EG/EGM/B/EN/A
C916	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C917	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	NV-MX8EG/EGM/B/EN/A
C917	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C918	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	NV-MX8EG/EGM/B/EN/A
C918	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C921	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C923	ECUM1C106VB	C.CAPACITOR CH 16V 10U	NV-MX2EG/EGM/B
C925	ECST1AY106Z	T.CAPACITOR CH 10V 10U	NV-MX8EG/EGM/B/EN/A ECST1AY106R
C927	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	NV-MX2EG/EGM/B
C929	ECUX1E152KBQ	C.CAPACITOR CH 25V 1500P	NV-MX2EG/EGM/B
C930	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	NV-MX8EG/EGM/B/EN/A
C931	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	NV-MX8EG/EGM/B/EN/A

Ref. No.	Part No.	Part Name & Description	Remarks
C931	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX2EG/EGM/B F1J1A1050002
C932	ECUX1H221JCQ	C.CAPACITOR CH 50V 220P	NV-MX8EG/EGM/B/EN/A
C932	ECUM1E105KBM	C.CAPACITOR CH 25V 1U	NV-MX2EG/EGM/B
C933	ECUX0J105KBV	C.CAPACITOR CH 6.3V 1U	NV-MX8EG/EGM/B/EN/A
C934	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX8EG/EGM/B/EN/A
C934	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	NV-MX2EG/EGM/B
C935	ECUX1C682KBQ	C.CAPACITOR CH 16V 6800P	NV-MX8EG/EGM/B/EN/A
C935	ECUM1C106VB	C.CAPACITOR CH 16V 10U	NV-MX2EG/EGM/B
C936	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	NV-MX8EG/EGM/B/EN/A
C937	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C938	ECUX1H101JCQ	C.CAPACITOR CH 50V 100P	
C939	ECUX1H331GCV	C.CAPACITOR CH 50V 330P	
C940	ECUX1H560JCQ	C.CAPACITOR CH 50V 56P	
C941	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C942	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	NV-MX8EG/EGM/B/EN/A F1J1A1050002
C942	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	NV-MX2EG/EGM/B
C943	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	
C944	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	
C945	ECUX1E332KBQ	C.CAPACITOR CH 25V 3300P	
C946	ECUM1C106VB	C.CAPACITOR CH 16V 10U	
C947	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C948	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	ECJ1XB1C104K
C949	ECUM1C106VB	C.CAPACITOR CH 16V 10U	NV-MX8EG/EGM/B/EN/A
C950	ECUM1C106VB	C.CAPACITOR CH 16V 10U	NV-MX8EG/EGM/B/EN/A
C950	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	NV-MX2EG/EGM/B
C952	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	NV-MX2EG/EGM/B
C953	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	NV-MX2EG/EGM/B
D901	MA338	DIODE	NV-MX8EG/EGM/B/EN/A MA2X338
D902	MA6S121	DIODE	NV-MX8EG/EGM/B/EN/A MA6Z121
D903	MA132WA	DIODE	NV-MX8EG/EGM/B/EN/A MA3S132D
D903	DAP222	DIODE	NV-MX2EG/EGM/B
D904	MA159A	DIODE	MA4X159A
D905	02DZ6.2YTPH3	DIODE	NV-MX8EG/EGM/B/EN/A B0BC6R100014
D905	MA6S121	DIODE	NV-MX2EG/EGM/B MA6Z121
D906	MA111	DIODE	NV-MX2EG/EGM/B MA2J111
D907	MA111	DIODE	NV-MX8EG/EGM/B/EN/A MA2J111
D908	02DZ6.2YTPH3	DIODE	NV-MX2EG/EGM/B B0BC6R100014

Ref. No.	Part No.	Part Name & Description	Remarks
FP901	VJS4194B026	CONNECTOR (FEMALE) 26P	NV-MX8EG/EGM/B/EN/A
FP901	VJS3320B024	CONNECTOR (FEMALE) 24P	NV-MX2EG/EGM/B K1MN24B00036
FP903	K1MN25B00035	CONNECTOR	NV-MX8EG/EGM/B/EN/A
FP903	K1MN25B00033	CONNECTOR	NV-MX2EG/EGM/B K1MN25B00034
IC901	C0HBA0000094	IC	NV-MX8EG/EGM/B/EN/A
IC901	AN2540FHQ-V	IC	NV-MX2EG/EGM/B
IC902	TC4W53FU	IC	NV-MX2EG/EGM/B C0JBAR000226
IC905	SN74LV04APW	IC	NV-MX8EG/EGM/B/EN/A C0JBAB000247
IC908	SN74LV04APW	IC	NV-MX2EG/EGM/B C0JBAB000247
IC991	DN8797MS	HALL IC	
L901	VLQ0807K100	COIL 10UH	G1C100K00024
L902	VLQ0807K100	COIL 10UH	NV-MX8EG/EGM/B/EN/A G1C100K00024
L903	VLQ0807K100	COIL 10UH	NV-MX8EG/EGM/B/EN/A G1C100K00024
L904	VLQ0807K100	COIL 10UH	NV-MX8EG/EGM/B/EN/A G1C100K00024
L905	VLQ0807K100	COIL 10UH	G1C100K00024
L907	VLQ0426J3R3	COIL 3.3UH	NV-MX8EG/EGM/B/EN/A G1C3R3J00009
Q901	2SA1832FY	TRANSISTOR	NV-MX8EG/EGM/B/EN/A
Q901	HN1C01FUYR	TRANSISTOR	NV-MX2EG/EGM/B B1HBCFA00001
Q902	2SK3065T100	TRANSISTOR	NV-MX8EG/EGM/B/EN/A B1CFNG000001
Q902	2SK2159	TRANSISTOR	NV-MX2EG/EGM/B
Q903	HN1B04FUGRR	TRANSISTOR	NV-MX2EG/EGM/B B1HFCFE00001
Q904	XP1501	TRANSISTOR-TRANSISTOR	NV-MX8EG/EGM/B/EN/A XP01501
Q905	2SA1036	TRANSISTOR	NV-MX8EG/EGM/B/EN/A
Q905	HN1B04FUGRR	TRANSISTOR	NV-MX2EG/EGM/B B1HFCFE00001
Q906	2SA1832FY	TRANSISTOR	NV-MX2EG/EGM/B
QR901	DTC144TH	DIGITAL TRANSISTOR	
QR902	DTC144TH	DIGITAL TRANSISTOR	NV-MX8EG/EGM/B/EN/A
QR902	DTC114YH	DIGITAL TRANSISTOR	NV-MX2EG/EGM/B
QR903	RN1107F	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
QR903	DTC114YH	DIGITAL TRANSISTOR	NV-MX2EG/EGM/B
QR904	UN9214J	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
QR904	DTC144TH	DIGITAL TRANSISTOR	NV-MX2EG/EGM/B
QR905	UN9212	TRANSISTOR-RESISTOR	NV-MX2EG/EGM/B UNR9212
QR906	UN9214J	TRANSISTOR-RESISTOR	NV-MX8EG/EGM/B/EN/A
R901	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R903	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	NV-MX2EG/EGM/B
R904	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	NV-MX2EG/EGM/B

Ref. No.	Part No.	Part Name & Description	Remarks
R907	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
R907	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R908	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
R908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R909	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
R909	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R910	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	NV-MX8EG/EGM/B/EN/A
R910	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R911	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	NV-MX8EG/EGM/B/EN/A
R912	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	NV-MX8EG/EGM/B/EN/A
R912	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	NV-MX2EG/EGM/B D0GB334JA002
R913	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	NV-MX8EG/EGM/B/EN/A
R914	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	NV-MX8EG/EGM/B/EN/A
R914	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	NV-MX2EG/EGM/B ERJ3GEYJ104A
R915	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
R915	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R916	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
R917	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	NV-MX8EG/EGM/B/EN/A
R917	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	NV-MX2EG/EGM/B
R918	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	NV-MX8EG/EGM/B/EN/A
R918	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	NV-MX2EG/EGM/B
R919	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R919	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R920	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R920	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R921	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R921	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	NV-MX2EG/EGM/B
R922	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R923	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	NV-MX8EG/EGM/B/EN/A
R923	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R924	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	NV-MX8EG/EGM/B/EN/A
R924	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	NV-MX2EG/EGM/B
R925	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	NV-MX2EG/EGM/B
R926	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R927	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	NV-MX2EG/EGM/B
R928	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	NV-MX8EG/EGM/B/EN/A
R928	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R929	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	NV-MX2EG/EGM/B
R930	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	NV-MX8EG/EGM/B/EN/A
R930	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B

Ref. No.	Part No.	Part Name & Description	Remarks
R931	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	NV-MX8EG/EGM/B/EN/A
R931	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	NV-MX2EG/EGM/B
R932	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	NV-MX8EG/EGM/B/EN/A
R932	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	NV-MX2EG/EGM/B
R933	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R933	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R934	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	NV-MX2EG/EGM/B ERJ3GEYJ103A
R936	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	NV-MX8EG/EGM/B/EN/A
R936	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	NV-MX2EG/EGM/B ERJ3GEYJ473A
R937	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R938	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R938	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R939	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R940	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	NV-MX8EG/EGM/B/EN/A
R940	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R941	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	NV-MX8EG/EGM/B/EN/A
R941	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R942	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R943	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R944	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	NV-MX8EG/EGM/B/EN/A
R945	ERJ2RHD183	M.RESISTOR CH 1/16W 18K	NV-MX8EG/EGM/B/EN/A
R945	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R946	ERJ2RHD104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R946	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	NV-MX2EG/EGM/B
R947	ERJ2RHD393	M.RESISTOR CH 1/16W 39K	NV-MX8EG/EGM/B/EN/A
R947	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R948	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R949	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	NV-MX8EG/EGM/B/EN/A
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	NV-MX2EG/EGM/B
R950	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	NV-MX2EG/EGM/B
R951	ERJ2GEJ560	M.RESISTOR CH 1/16W 56	NV-MX8EG/EGM/B/EN/A
R951	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	NV-MX2EG/EGM/B
R952	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	NV-MX8EG/EGM/B/EN/A
R952	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	NV-MX2EG/EGM/B
R953	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R955	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R956	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	
R957	ERJ3RBD101	M.RESISTOR CH 1/16W 100	ERJ3RBD101V
R958	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	NV-MX8EG/EGM/B/EN/A

Ref. No.	Part No.	Part Name & Description	Remarks
R958	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	NV-MX2EG/EGM/B
R959	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	NV-MX8EG/EGM/B/EN/A
R959	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	NV-MX2EG/EGM/B ERJ3GEYJ473A
R960	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	NV-MX8EG/EGM/B/EN/A
R960	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R961	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	NV-MX8EG/EGM/B/EN/A
R961	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	NV-MX2EG/EGM/B
R962	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	NV-MX8EG/EGM/B/EN/A
R962	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	NV-MX2EG/EGM/B ERJ3GEYJ561A
R963	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R963	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	NV-MX2EG/EGM/B ERJ3GEYJ104A
R964	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R964	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R965	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	NV-MX8EG/EGM/B/EN/A
R965	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R966	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R966	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	NV-MX2EG/EGM/B
R967	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R967	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	NV-MX2EG/EGM/B ERJ3GEYJ104A
R968	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R968	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R969	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	NV-MX8EG/EGM/B/EN/A
R969	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R970	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	NV-MX8EG/EGM/B/EN/A
R970	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	NV-MX2EG/EGM/B
R971	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	
R972	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	NV-MX8EG/EGM/B/EN/A
R972	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	NV-MX2EG/EGM/B
R973	ERJ8GEYJ335	M.RESISTOR CH 1/8W 3.3M	
R974	ERJ8GEYJ335	M.RESISTOR CH 1/8W 3.3M	
R975	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	NV-MX8EG/EGM/B/EN/A
R975	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	NV-MX2EG/EGM/B
R976	ERJ3RBD511	M.RESISTOR CH 1/16W 510	NV-MX8EG/EGM/B/EN/A
R976	ERJ3RBD681	M.RESISTOR CH 1/16W 680	NV-MX2EG/EGM/B
R977	ERJ3RED180	M.RESISTOR CH 1/16W 18	
R978	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	
R979	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	
R980	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	NV-MX2EG/EGM/B D0GB101JA002
R983	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	NV-MX2EG/EGM/B
R988	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	NV-MX2EG/EGM/B

Ref. No.	Part No.	Part Name & Description	Remarks
R989	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	NV-MX8EG/EGM/B/EN/A
R989	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	NV-MX2EG/EGM/B ERJ3GEYJ104A
T901	ETJ09K59AZ	CHIP TRANSFORMER	
T902	EFTU21R203	TRANSFORMER	
n	VEP000U2A	SD FLEX. CARD	(RTL)NV-MX8EG/EGM/B/EN/A
HS3401	K1NA09E00010	CONNECTOR	
n	VEP07A43A	FLASH FLEX. CARD	(RTL)NV-MX8EG/EGM/B/EN/A
C7005	F1K2E223A004	CERAMIC CAPACITOR	
C7013	F1K2E223A004	CERAMIC CAPACITOR	
Q7005	PNA1101LW	PHOTO TRANSISTOR	
R7007	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	ERJ6GEYJ105V
S7001	VSP0584	SWITCH	K0L1BA000019
		MISCELLANEOUS	
	EFN-MVP35	BACK LIGHT	
	VGQ6249	PT HOLDER (A)	
	VGQ6250	PT HOLDER (B)	
	VGQ6308	PT PROTECTOR	